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Natural Gas Monthly
February 2001

Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
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This report is available on the WEB at:

Http://www.eia.doe.gov/oil_gas/natural gas /data_publications/natural_gas_monthly/ngm.html

Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
Natural Gas Weekly Market Update	PDF	Analysis of current price, supply and storage data
Natural Gas Monthly	PDF	Monthly supply, disposition, and price data
Natural Gas Annual	PDF	Annual supply, disposition, and price data
Historical Natural Gas Annual	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
Issues and Trends	PDF	Comprehensive analysis of growth and change in the natural gas industry
U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves	PDF	Proved reserves in the United States
Oil and Gas Field Code Master List	PDF	Listing of U.S. oil and gas field names
Databases		
Monthly Data	TXT	Tables 1-6, and 9 from the *Natural Gas Monthly*
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the *Natural Gas Annual*
Historical Annual Data	TXT	Tables from the *Historical Natural Gas Annual*
Field Codes	EXE	Oil & Gas Field Code Master List
Applications		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	IOGCC	Interstate Oil and Gas Compact Commission
Bbl	Barrels	LNG	Liquefied Natural Gas
BLS	Bureau of Labor Statistics, U.S. Department of Labor	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
BOM	Bureau of Mines, U.S. Department of the Interior	MMcf	Million Cubic Feet
Btu	British Thermal Unit	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOE	U.S. Department of Energy	NGL	Natural Gas Liquids
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEO	Short Term Energy Outlook
		Tcf	Trillion Cubic Feet

Contents

Tables

Figures

Highlights

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through February 2001 for many data series at the national level. National-level natural gas prices are available through October (electric utilities), November (residential, commercial, and industrial), or January (wellhead). State-level data are generally available through November 2000 although underground storage data are available through December 2000.

Temperatures in January and February of this year in most regions of the country were seasonable or slightly warmer than normal, showing moderation from the generally colder-than-normal levels seen in November and December 2000. However, demand for natural gas continued to be strong. Highlights of the most recent data are:

- Cumulative dry natural gas production in January and February 2001 is estimated to be 3,220 billion cubic feet or 54.6 billion cubic feet per day, a 5-percent increase over the same period of 2000. Production has been increasing since December 2000. Sharp increases in wellhead prices in recent months and sustained strong demand for gas have encouraged production growth.

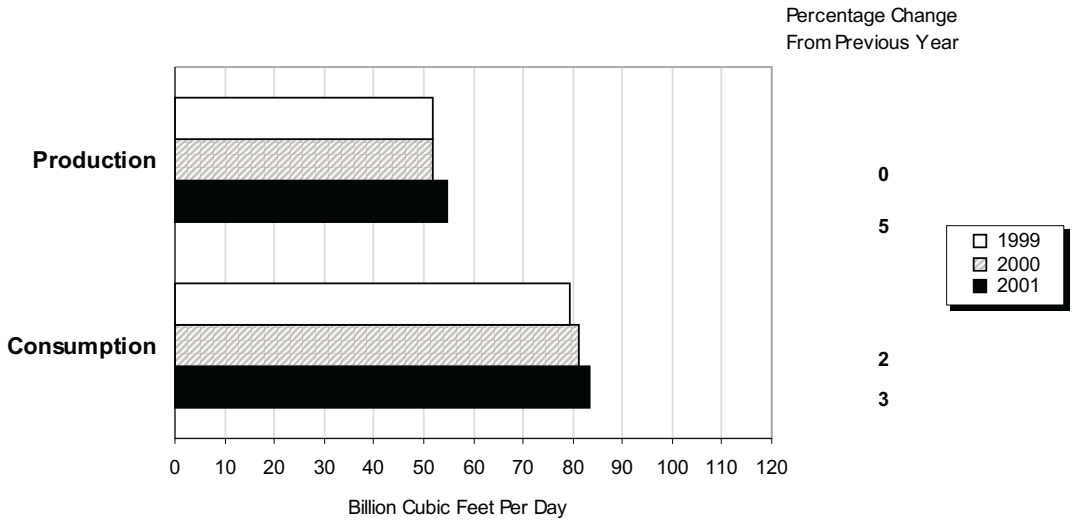
- Net imports of natural gas rose in January and February 2001, totaling 632 billion cubic feet or 10.7 billion cubic feet per day. On a daily basis, they were 9 percent greater than the comparable rate of 9.8 billion cubic feet per day in 2000. Concerns about low levels of gas in storage together with sustained demand for natural gas may have contributed to the rise in net imports.

- Net withdrawals of natural gas from underground storage facilities during February 2001 are estimated at 376 billion cubic feet, 17 percent less than during February 2000 (Table 10) but nearly the same as the average for February during the previous 5 years. However, the relatively low storage levels at the end of October 2000 and strong withdrawals during November 2000, the first month of the 2000-2001 heating season, have led to persistently and significantly lower working gas levels than in the 1999-2000 heating season (Figure HI2). Working gas at the end of February 2001 is estimated at 901 billion cubic feet, 31 percent lower than at the end of February 2000 and 32 percent lower than the average for the previous 5 years.

- The Energy Information Administration (EIA) has issued a special report, "Natural Gas Storage in the United States in 2001: A Current Assessment and Near-Term Outlook."on its web site, http://www.eia.doe.gov . This report is located in "Featured Topics" on the right side of the natural gas page. The report examines the large decline of underground natural gas storage inventories thus far during the 2000-2001 heating season and the concern that the nation might run out of working gas in storage prior to the close of the heating season on March 31, 2001. It is based on monthly data from the Form EIA-191, "Underground Natural Gas Storage Report," through November 30, 2000, and weekly estimates by the American Gas Association for the period December 6, 2000, through February 23, 2001.

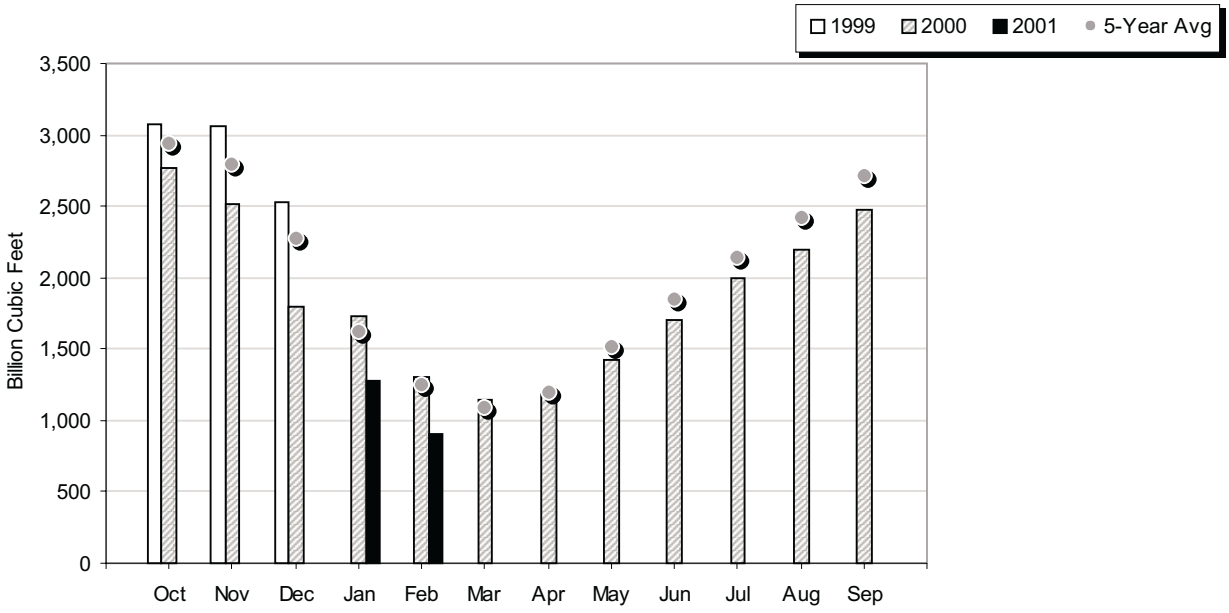
- Temperatures in 2001 generally returned from the cold levels seen earlier in the heating season to seasonable or slightly warmer than normal levels. However, demand for gas for space heating remained strong. From January through February 2001, residential consumption was 1,787 billion cubic feet or 30.3 billion cubic feet per day, 10 percent above the daily rate for the same period in 2000 when the weather was warmer than normal. Total end-use consumption of natural gas for the first 2 months of the year is estimated to be 4,577 billion cubic feet or 77.6 billion cubic feet per day, 3 percent higher than the comparable daily rate of 75.1 billion cubic feet per day seen in 2000.

Figure HI1. Average Daily Rate of Natural Gas Production and Consumption, January-February, 1999-2001



Source: Table 2.

Figure HI2. Working Gas in Underground Storage in the United States, 1999-2001



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1996 to 2000 while the January average is calculated from January levels for 1997 to 2001. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

Source: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.

- Average end-use natural gas prices increased in all sectors during 2000. Still, increases in the residential and commercial sectors were much less than those seen by local distribution companies (LDCs). The average city gate price paid by LDCs from January through November is estimated at $4.33 per thousand cubic feet (Table 4). This is $1.19 per thousand cubic feet or 38 percent higher than during the same period of 1999 (Figure HI4). The estimated average residential and commercial prices[1] for January through November 2000 are $7.51 and $5.87 per thousand cubic feet, respectively. These prices are $0.79 (12 percent) and $0.57 (11 percent) higher than during the same period of 1999. The billing practices of many LDCs tend to average out the effects of large changes in prices for residential and commercial end users, but further increases can be expected given the sharp rise in the average natural gas wellhead price through January 2001.

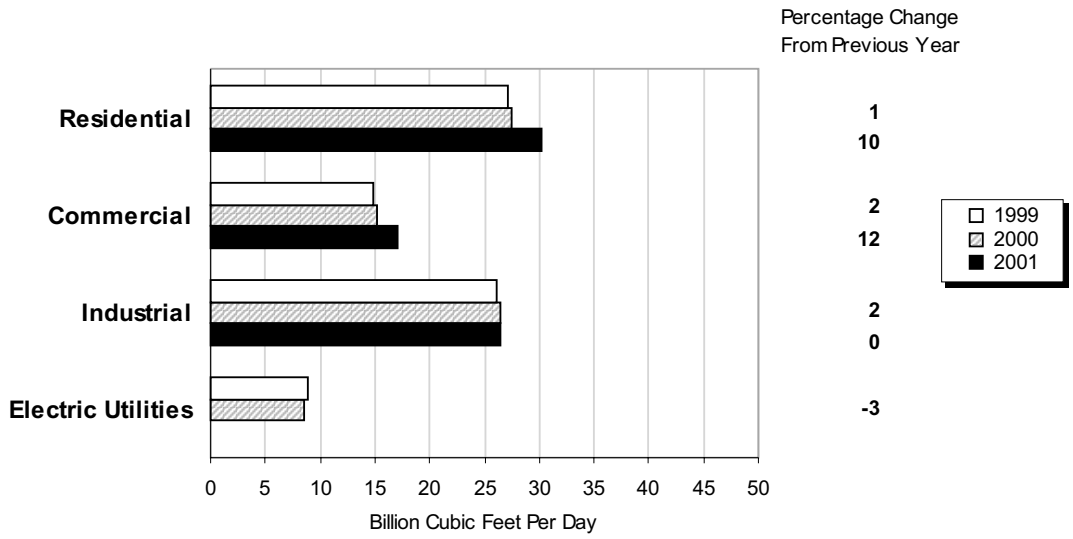
- Residential expenditures for natural gas have increased as a result of both higher prices and higher consumption. In November 2000, the first month in the 2000-2001 heating season, the nation was on average 16 percent colder than normal and 43 percent colder than in November 1999, as measured by heating degree days (Table 26). Residential expenditures for natural gas in November 2000 are estimated at $3.89 billion, 46 percent higher than the $2.66 billion in expenditures in November 1999.

- The average natural gas wellhead price for January 2001 is estimated to be $8.06 per thousand cubic feet, which is $1.71 or 27 percent higher than in December 2000. The January 2001 estimate is nearly 4 times higher than the January 2000 price of $2.12 per thousand cubic feet. The increase in January 2001 results from a continuation of the conditions that drove the wellhead price sharply higher throughout 2000. Increases in natural gas consumption during 2000, relatively flat production levels compared with 1999, and several periods of winter weather that were much colder than during the 1999-2000 heating season have all contributed to increases in the wellhead price.

- Daily settlement prices for near-month futures contracts at the Henry Hub on the New York Mercantile Exchange have declined sharply in early 2001 (Figure HI5). The futures contract for March 2001 delivery closed at $4.998 per million Btu on February 26, 2001. This was the first time the near-month contract had settled below $5 since the settlement price of $4.849 per million Btu on November 6, 2000 (for the December 2000 contract). The closing price for the March 2001 contract is nearly 2 times that of the March 2000 contract. The April 2001 contract began its first few days of trading as the near-month contract with settlement prices generally above $5.200 per million Btu.

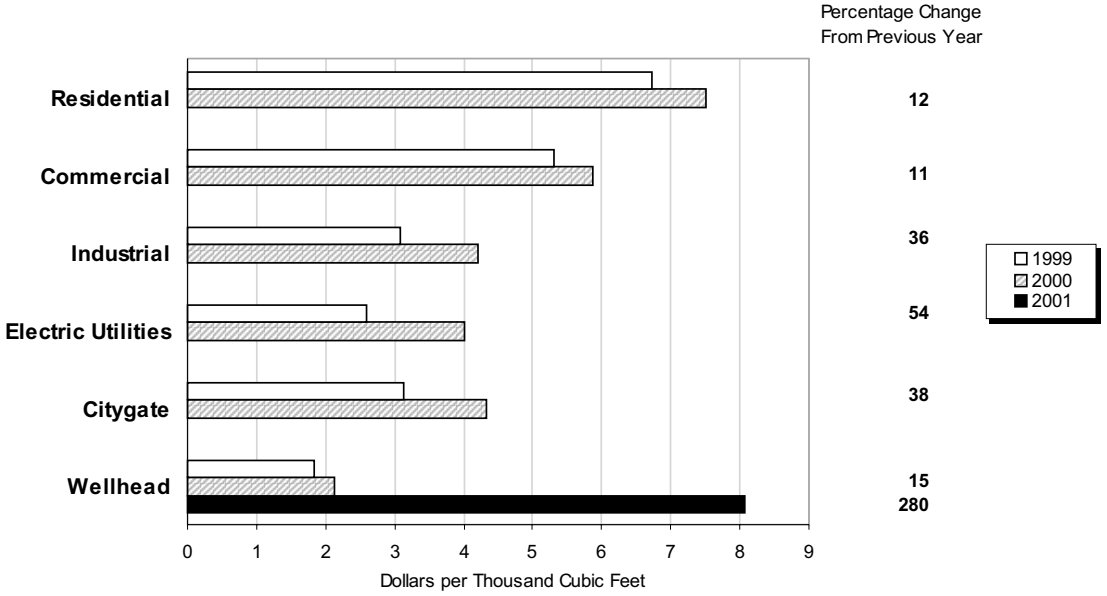
1 End-use prices in the residential, commercial, and industrial sectors are for onsystem gas sales only. While monthly onsystem sales are nearly 100 percent of residential deliveries, in 2000 they have averaged 64 percent of commercial deliveries and only 16 percent of industrial deliveries (Table 4).

Figure HI3. Average Daily Rate of Natural Gas Deliveries to Consumers, January-February, 1999-2001



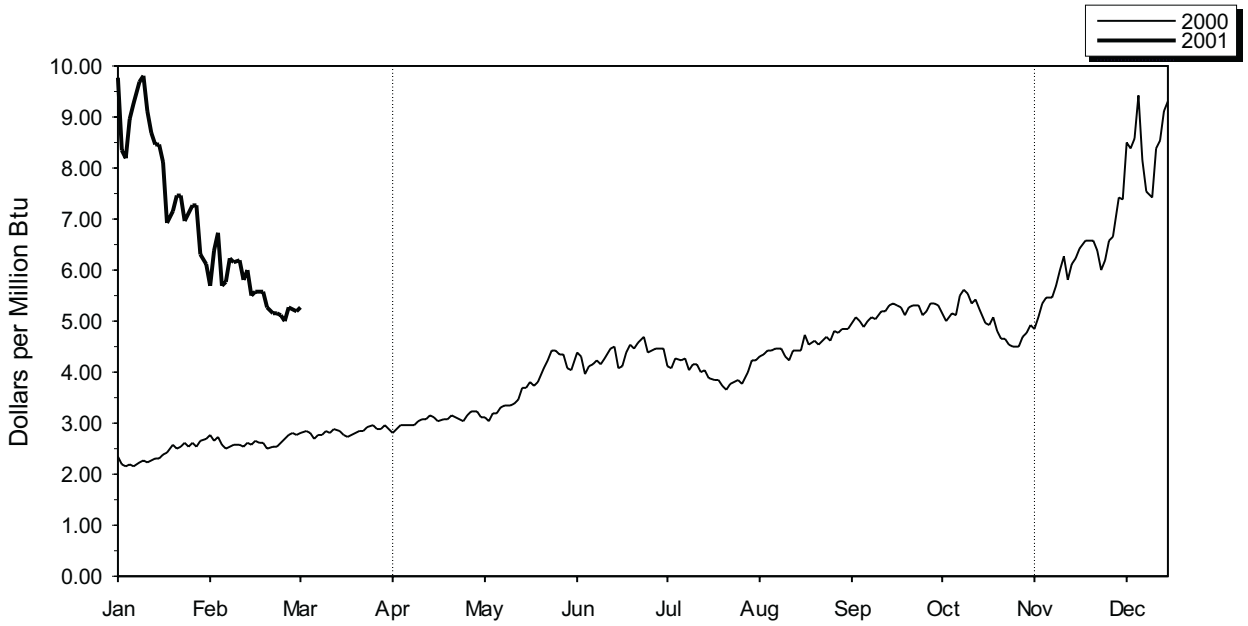
Note: Electric utilities reflect deliveries for January-November.
Source: Table 3.

Figure HI4. Average Delivered and Wellhead Natural Gas Prices, Year-to-Date, 1999-2001



Note: Commercial and industrial average prices reflect onsystem sales only. The reporting of wellhead prices is 2 months ahead of the reporting of city gate, residential, commercial, and industrial prices. The reporting of electric utility prices is 1 month behind the reporting of city gate, residential, commercial, and industrial prices.
Source: Table 4.

Figure HI5. Daily Futures Settlement Prices at the Henry Hub



Note: The futures price is for the near-month contract, that is, for the next contract to terminate trading. Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.

Source: Commodity Futures Trading Commission, Division of Economic Analysis.

Table 1. Summary of Natural Gas Production in the United States, 1995-2001

(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed[a]	Vented and Flared	Marketed Production (Wet)	Extraction Loss[b]	Dry Gas Production[c]
1995 Total	**23,744**	**3,565**	**388**	**284**	**19,506**	**908**	**18,599**
1996 Total	**24,114**	**3,511**	**518**	**272**	**19,812**	**958**	**18,854**
1997 Total	**24,213**	**3,492**	**599**	**256**	**19,866**	**964**	**18,902**
1998 Total	**23,924**	**3,433**	**611**	**234**	**19,646**	**938**	**18,708**
1999							
January	2,064	296	54	21	1,693	84	1,609
February	1,878	280	49	19	1,531	76	1,455
March	2,070	298	51	20	1,701	84	1,616
April	1,964	274	50	20	1,620	80	1,540
May	1,984	255	53	20	1,657	82	1,574
June	1,945	262	48	20	1,615	80	1,535
July	1,988	253	52	21	1,663	83	1,580
August	1,984	263	50	21	1,651	82	1,569
September	1,931	265	50	23	1,594	79	1,515
October	2,012	286	53	21	1,653	82	1,571
November	1,953	282	49	20	1,601	79	1,522
December	1,982	293	52	20	1,618	80	1,537
Total	**23,755**	**3,305**	**610**	**245**	**19,596**	**973**	**18,623**
2000							
January	[E]2,089	[E]334	[E]44	[E]23	[E]1,689	[E]78	[E]1,611
February	[E]1,950	[E]312	[E]42	[E]21	[E]1,575	[E]72	[E]1,503
March	[E]2,086	[E]310	[E]45	[E]23	[E]1,708	[E]79	[E]1,629
April	[E]2,024	[E]318	[E]44	[E]22	[E]1,640	[E]75	[E]1,564
May	[E]2,067	[E]313	[E]45	[E]22	[E]1,687	[E]78	[E]1,609
June	[E]1,992	[E]284	[E]44	[E]22	[E]1,642	[E]76	[E]1,566
July	[E]2,051	[E]286	[E]45	[E]22	[E]1,698	[E]78	[E]1,620
August	[E]2,085	[E]304	[E]46	[E]23	[E]1,713	[E]79	[E]1,634
September	[E]2,007	[E]296	[E]44	[E]22	[E]1,644	[E]76	[E]1,568
October	[RE]2,114	[RE]340	[RE]46	[RE]23	[RE]1,705	[RE]78	[RE]1,626
November	[RE]2,035	[RE]308	[RE]44	[RE]22	[RE]1,660	[RE]76	[RE]1,584
December	[E]2,200	[E]338	[E]48	[E]24	[E]1,790	[E]82	[E]1,708
Total	**[RE]24,699**	**[RE]3,744**	**[RE]536**	**[RE]270**	**[RE]20,149**	**[RE]927**	**[RE]19,222**
2001							
January(STIFS)	NA	NA	NA	NA	[E]1,790	[E]85	[E]1,705
February(STIFS)	NA	NA	NA	NA	[E]1,594	[E]79	[E]1,515
2001 YTD	NA	NA	NA	NA	**[E]3,384**	**[E]164**	**[E]3,220**
2000 YTD	**[E]4,039**	**[E]646**	**[E]86**	**[E]44**	**[E]3,264**	**[E]150**	**[E]3,114**
1999 YTD	**3,942**	**576**	**103**	**40**	**3,224**	**160**	**3,064**

[a] See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

[b] Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

[c] Equal to marketed production (wet) minus extraction loss.

[E] Estimated Data.

[RE] Revised Estimated Data.

NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999.* January 2000 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001

(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels[a]	Net Imports	Net Storage Withdrawals[b]	Balancing Item[c]	Consumption[d]
1995 Total	**18,599**	**110**	**2,687**	**415**	**-230**	**21,581**
1996 Total	**18,854**	**109**	**2,784**	**2**	**217**	**21,967**
1997 Total	**18,902**	**103**	**2,837**	**24**	**92**	**21,959**
1998 Total	**18,708**	**102**	**2,993**	**-530**	**-11**	**21,262**
1999						
January	1,609	10	298	659	-35	2,542
February	1,455	8	273	339	61	2,137
March	1,616	9	286	314	-46	2,178
April	1,540	8	258	-96	87	1,797
May	1,574	8	277	-358	11	1,513
June	1,535	6	268	-327	-49	1,433
July	1,580	8	283	-231	-103	1,536
August	1,569	8	299	-236	-60	1,580
September	1,515	7	290	-335	-12	1,464
October	1,571	8	294	-165	-124	1,584
November	1,522	8	287	34	-130	1,721
December	1,537	10	308	573	-216	2,212
Total	**18,623**	**98**	**3,422**	**171**	**-612**	**21,703**
2000						
January	E1,611	E10	307	780	R-192	R2,517
February	E1,503	E9	279	454	R113	R2,357
March	E1,629	E8	286	162	R-15	R2,071
April	E1,564	E7	277	-36	R-9	R1,804
May	E1,609	E7	268	-232	R12	R1,663
June	E1,566	E6	279	-272	R-50	R1,530
July	E1,620	E8	302	-290	R-76	R1,563
August	E1,634	E8	298	-193	R-66	R1,680
September	E1,568	E7	284	-282	R-110	R1,467
October	RE1,626	E8	RE297	-227	R-149	R1,555
November	RE1,584	E9	RE324	293	R-314	1,895
December	E1,708	E10	E288	690	-141	E2,556
Total	**RE19,222**	**RE98**	**RE3,489**	**R846**	**R-997**	**RE22,659**
2001						
January(STIFS)	E1,705	E12	E341	RE515	RE82	E2,655
February(STIFS)	E1,515	E10	E291	E376	E78	E2,271
2001 YTD	**E3,220**	**E22**	**E632**	**E891**	**E160**	**E4,926**
2000 YTD	**E3,114**	**E19**	**586**	**1,234**	**-79**	**4,874**
1999 YTD	**3,064**	**19**	**572**	**998**	**26**	**4,679**

[a] Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0022 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

[b] Monthly and annual data for 1995 through 1999 include underground storage and liquefied natural gas storage. Data for January 2000 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

[c] Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

[d] Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

[R] Revised Data.

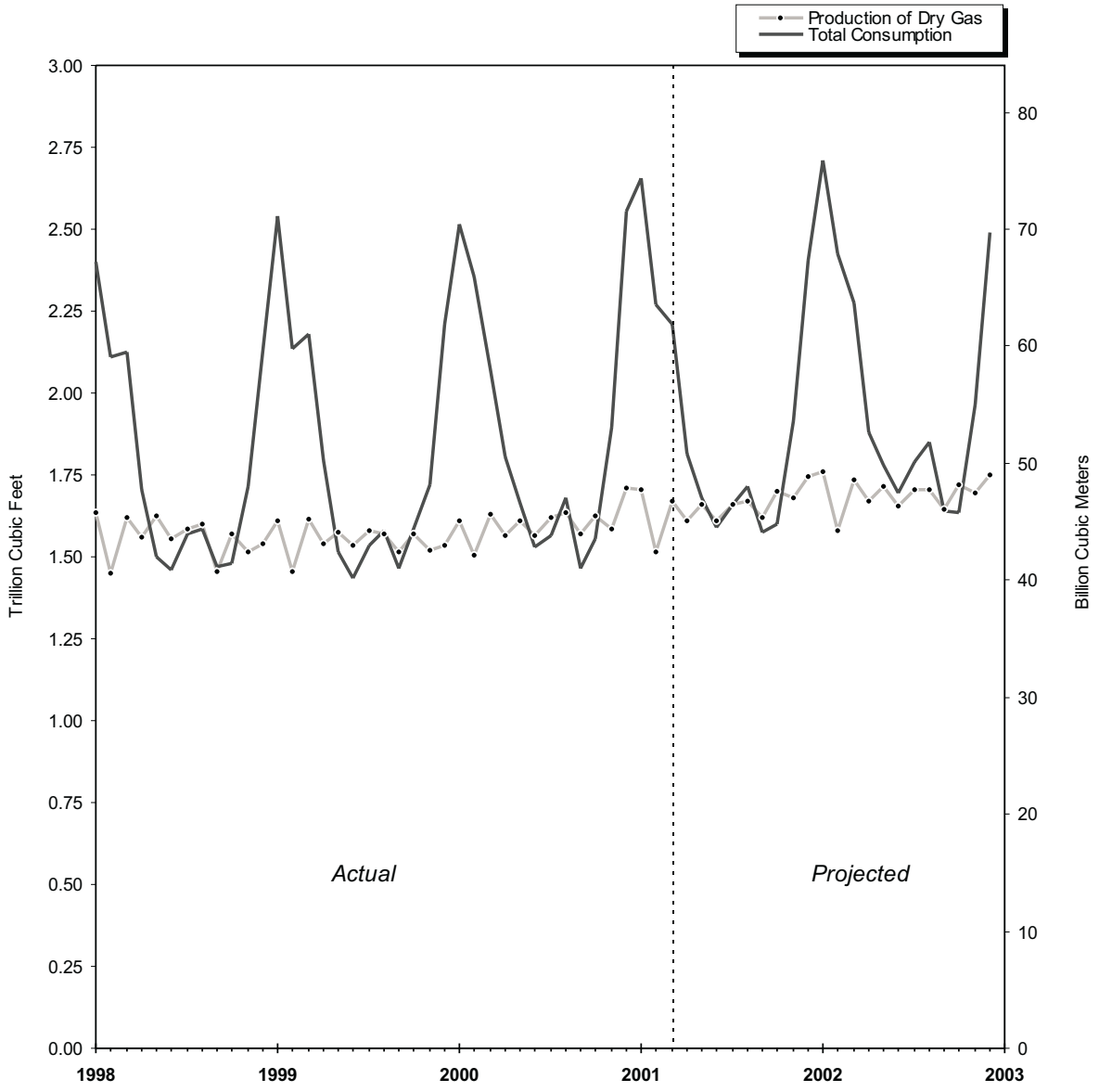
[E] Estimated Data.

[RE] Revised Estimated Data.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, Natural Gas Imports and Exports. See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1998-2002



Sources: 1998 through the current month: Table 2. Projected data: Energy Information Administration, *Short-Term Energy Outlook*.

Table 3

Table 3. Natural Gas Consumption in the United States, 1995-2001

(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel[a]	Pipeline Fuel[b]	Delivered to Consumers					Total Consumption
			Residential	Commercial [c]	Industrial	Electric Utilities	Total	
1995 Total	**1,220**	**700**	**4,850**	**3,034**	**8,580**	**3,197**	**19,660**	**21,581**
1996 Total	**1,250**	**711**	**5,241**	**3,161**	**8,870**	**2,732**	**20,006**	**21,967**
1997 Total	**1,203**	**751**	**4,984**	**3,219**	**8,832**	**2,968**	**20,004**	**21,959**
1998 Total	**1,157**	**635**	**4,520**	**3,005**	**8,686**	**3,258**	**19,469**	**21,262**
1999								
January	93	87	911	477	797	176	2,361	2,542
February	85	73	690	401	739	149	1,979	2,137
March	94	74	669	390	747	204	2,010	2,178
April	89	61	420	260	713	254	1,647	1,797
May	90	51	235	177	690	270	1,372	1,513
June	88	48	158	144	673	322	1,297	1,433
July	91	52	127	133	701	434	1,394	1,536
August	90	53	116	137	750	432	1,436	1,580
September	88	49	135	138	772	283	1,327	1,464
October	91	53	234	181	785	240	1,440	1,584
November	88	58	372	246	785	172	1,574	1,721
December	90	76	660	363	849	176	2,047	2,212
Total	**1,077**	**735**	**4,726**	**3,050**	**9,001**	**3,113**	**19,890**	**21,703**
2000								
January	E106	R85	R883	R471	R783	190	R2,326	R2,517
February	E99	80	R768	442	R803	166	R2,179	R2,357
March	E107	70	R546	373	R768	207	R1,894	R2,071
April	E103	61	R394	R266	R765	214	R1,640	R1,804
May	E106	56	R225	R198	R769	309	R1,501	R1,663
June	E103	52	R149	R159	R761	306	R1,375	R1,530
July	E106	53	R129	R156	R748	372	R1,404	R1,563
August	E107	57	R120	161	R826	409	R1,516	R1,680
September	E103	50	R138	R164	R730	283	R1,315	R1,467
October	RE107	R53	230	R188	R765	213	R1,396	R1,555
November	E104	64	453	290	804	179	1,727	1,895
December(STIFS)	E106	E72	E888	E492	E867	NA	E2,378	E2,556
Total	**RE1,255**	**RE753**	**RE4,923**	**RE3,358**	**RE9,389**	**RE2,980**	**RE20,651**	**RE22,659**
2001								
January(STIFS)	E107	E78	E1,006	E556	E805	NA	E2,470	E2,655
February(STIFS)	E94	E70	E781	E449	E758	NA	E2,107	E2,271
2001 YTD[d]	**201**	**148**	**1,787**	**1,005**	**1,563**	NA	**4,577**	**4,926**
2000 YTD[d]	**204**	**165**	**1,650**	**913**	**1,585**	**2,849**	**4,505**	**4,874**
1999 YTD[d]	**178**	**160**	**1,601**	**878**	**1,536**	**2,938**	**4,340**	**4,679**

[a] Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

[b] Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

[c] Deliveries to Commercial consumers for 1995-1999 include vehicle fuel deliveries, which totaled, in billion cubic feet, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, and 5.7 in 1999.

[d] Year-to-date volume represents months for which volume information is available in the current year.

R Revised Data.

E Estimated Data.

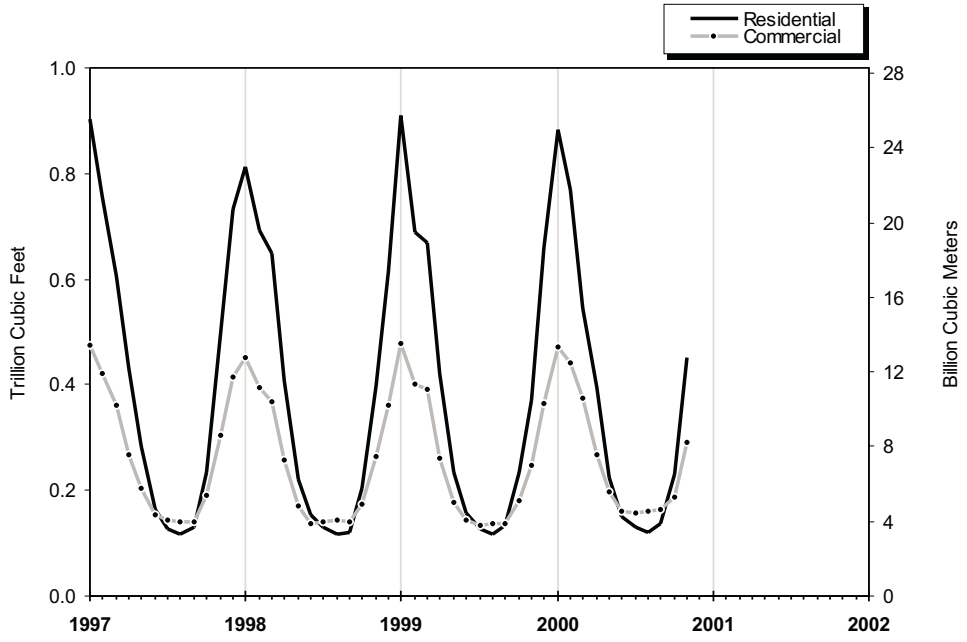
RE Revised Estimated Data.

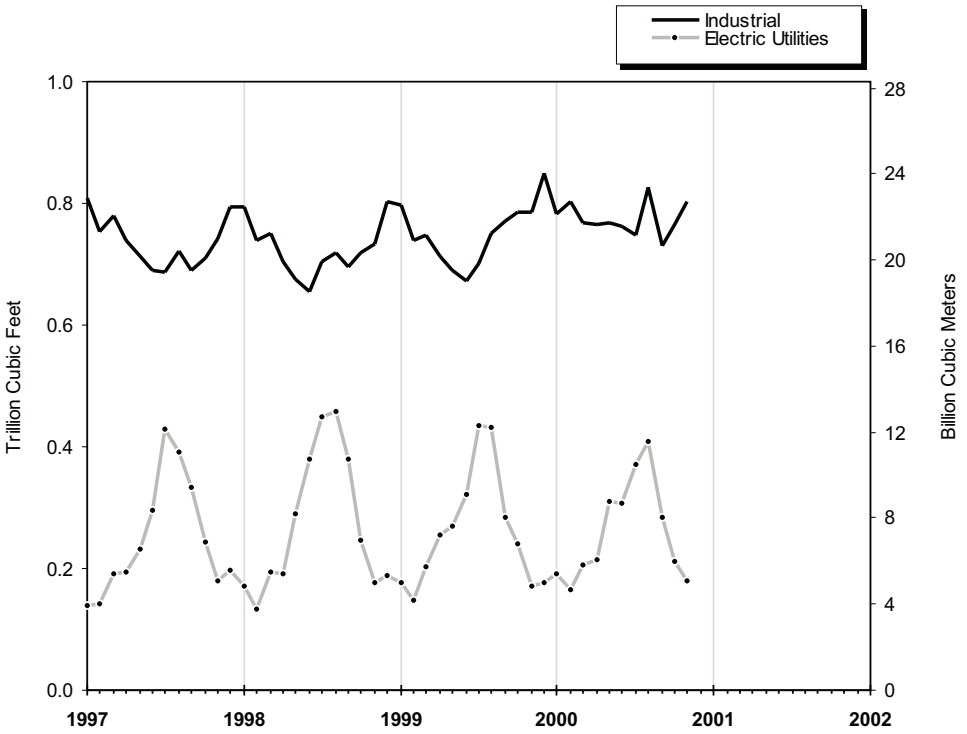
NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1995-1999: Energy Information Administration (EIA): Form EIA-895 "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1999.* January 2000 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1997-2000





Source: Table 3.

Table 4

Table 4. Selected National Average Natural Gas Prices, 1995-2001

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price[a]	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total[b]	Price	% of Total[b]	
1995 Annual Average	**1.55**	**2.78**	**6.06**	**5.05**	**76.7**	**2.71**	**24.5**	**2.02**
1996 Annual Average	**2.17**	**3.34**	**6.34**	**5.40**	**77.6**	**3.42**	**19.4**	**2.69**
1997 Annual Average	**2.32**	**3.66**	**6.94**	**5.80**	**70.8**	**3.59**	**18.1**	**2.78**
1998 Annual Average	**1.94**	**3.07**	**6.82**	**5.48**	**67.0**	**3.14**	**16.1**	**2.40**
1999								
January	1.84	2.87	6.00	5.19	73.1	3.29	16.9	2.32
February	1.75	2.93	6.29	5.28	69.7	2.92	16.8	2.26
March	1.68	2.69	6.06	4.97	69.3	2.95	17.4	2.15
April	1.86	2.94	6.44	5.32	65.4	3.00	16.6	2.29
May	2.16	3.41	7.30	5.34	61.1	2.86	16.0	2.57
June	2.12	3.28	8.20	5.29	61.1	2.81	15.8	2.53
July	2.18	3.23	8.83	5.44	58.2	2.86	15.7	2.58
August	2.49	3.53	9.14	5.46	56.6	2.99	18.8	2.86
September	2.61	3.72	8.63	5.55	60.0	3.41	17.5	2.98
October	2.50	3.31	7.56	5.46	61.7	3.20	17.5	2.83
November	2.67	3.76	7.15	5.72	63.0	3.51	17.7	3.01
December	2.20	3.24	6.51	5.56	67.6	3.05	21.3	2.68
Annual Average	**2.17**	**3.16**	**6.69**	**5.33**	**66.2**	**3.10**	**18.8**	**2.62**
2000								
January	E2.12	3.31	R6.31	5.49	R66.6	R3.46	R17.0	2.74
February	E2.30	3.48	R6.53	R5.63	R67.7	R3.70	R16.6	2.95
March	E2.36	3.53	R6.89	R5.33	R63.8	R3.54	R15.8	2.99
April	E2.55	3.70	R7.09	R5.59	R63.6	R3.64	15.4	3.22
May	E2.90	R4.12	R7.99	R5.36	R62.6	3.74	14.5	3.61
June	E3.73	5.13	R9.24	R5.84	R59.8	R4.30	R15.3	4.46
July	E3.70	5.11	R10.08	R5.88	R57.0	R4.43	R15.8	4.36
August	E3.67	R4.61	R10.28	R5.96	R56.5	4.22	15.1	4.30
September	E4.26	5.71	R9.93	R7.01	R58.9	R4.83	13.5	4.90
October	E4.61	5.99	9.25	R6.76	R63.6	R5.24	12.3	5.21
November	E4.62	5.40	8.59	6.99	65.9	5.27	18.5	NA
December	E6.35	NA	NA	NA	NA	NA	NA	NA
Annual Average	**E3.60**	NA	NA	NA	NA	NA	NA	NA
2001								
January	E8.06	NA	NA	NA	NA	NA	NA	NA
2001 YTD[c]	**E8.06**	NA	NA	NA	NA	NA	NA	NA
2000 YTD[c]	**E2.12**	**4.33**	**7.51**	**5.87**	**63.7**	**4.20**	**15.5**	**4.00**
1999 YTD[c]	**1.84**	**3.14**	**6.72**	**5.30**	**65.9**	**3.09**	**17.0**	**2.59**

[a] See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

[b] Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for breakdown by State.

[c] Year-to-date price represents months for which price information is available in the current year. The wellhead year-to-date price is 2 months ahead of the city gate, residential, commercial, and industrial year-to-date prices. The electric utility year-to-date price is 1 month behind the city gate, residential, commerical, and industrial year-to-date prices.

R Revised Data.

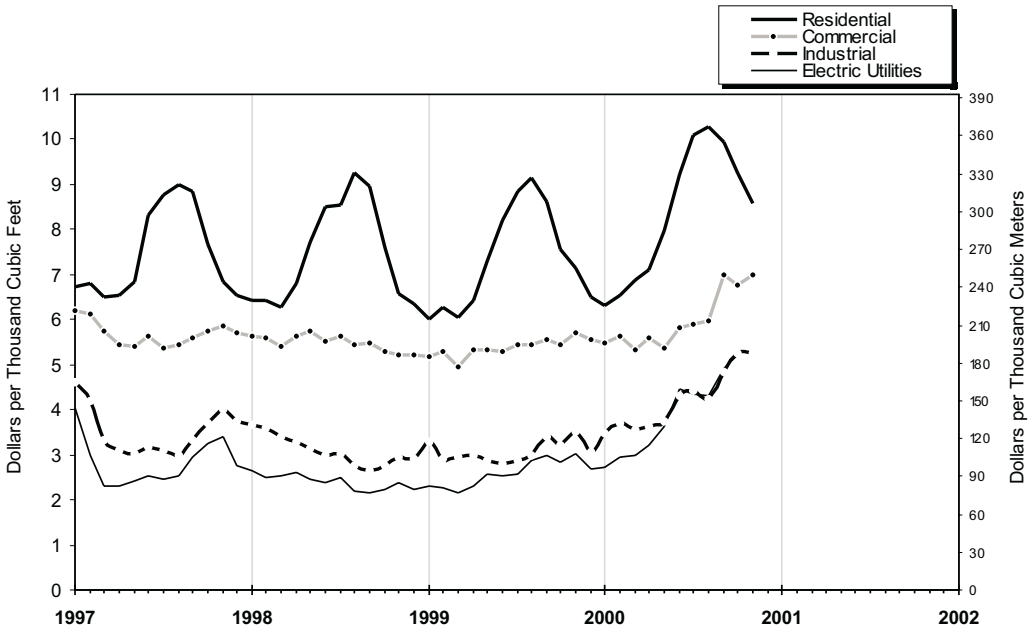
E Estimated Data.

NA Not Available.

Notes: Data for 1994 through 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

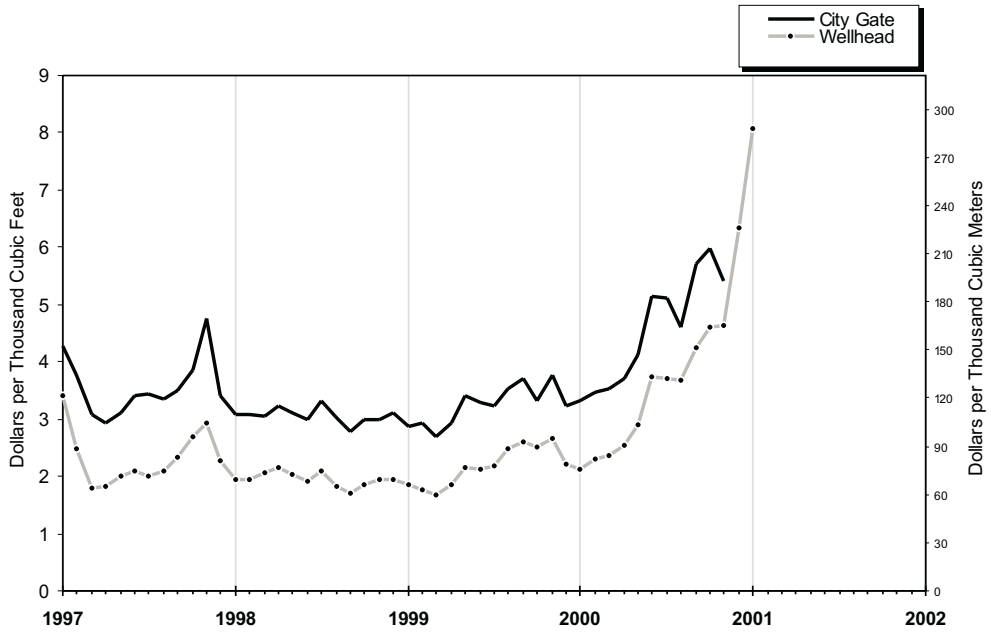
Sources: 1994-1999: Energy Information Administration (EIA) *Natural Gas Annual 1999.* January 2000 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1997-2000



Source: Table 4

Figure 4. Average Price of Natural Gas in the United States, 1997-2001



Source: Table 4

Table 5

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1994 Total	**2,566,049**	**1.86**	**7,013**	**1.99**	**50,778**	**2.28**	**0**	—	**0**	—
1995 Total	**2,816,408**	**1.48**	**6,722**	**1.53**	**17,918**	**2.30**	**0**	—	**0**	—
1996 Total	**2,883,277**	**1.96**	**13,862**	**2.25**	**35,325**	**2.70**	**0**	—	**0**	—
1997 Total	**2,899,152**	**2.15**	**17,243**	**2.31**	**65,675**	**2.67**	**9,686**	**2.92**	**0**	—
1998										
January	276,118	2.06	55	2.12	10,105	2.51	0	—	0	—
February	239,091	1.90	2,184	2.04	7,606	2.51	2,171	3.99	0	—
March	257,485	1.97	380	2.20	5,166	2.50	0	—	0	—
April	247,363	2.03	3,249	2.37	2,549	2.52	0	—	0	—
May	243,868	2.00	845	2.15	7,596	2.51	0	—	0	—
June	235,847	1.86	5	2.21	5,149	2.51	2,441	2.91	0	—
July	259,412	1.96	1,821	2.13	5,086	2.52	0	—	0	—
August	268,535	1.80	1,413	1.78	2,540	2.52	2,321	2.92	0	—
September	254,752	1.66	2,257	1.86	5,133	2.52	0	—	0	—
October	260,135	1.92	905	1.65	5,023	2.50	0	—	0	—
November	247,971	2.09	0	—	5,042	2.51	2,353	3.55	0	—
December	261,495	2.14	1,418	1.77	7,572	2.51	2,348	3.18	0	—
Total	**3,052,073**	**1.95**	**14,532**	**2.03**	**68,567**	**2.51**	**11,634**	**3.30**	**0**	—
1999										
January	292,833	2.02	4,891	1.74	13,066	2.42	0	—	0	—
February	269,126	1.90	4,398	1.69	7,684	2.51	2,557	3.55	0	—
March	287,769	1.77	751	1.60	13,090	2.44	0	—	0	—
April	257,065	1.83	4,193	2.02	7,637	2.35	0	—	0	—
May	275,219	2.18	6,844	1.94	3,898	2.13	0	—	0	—
June	260,240	2.13	4,978	2.12	2,528	2.17	2,314	2.33	0	—
July	278,424	2.17	3,877	2.21	5,134	2.18	0	—	0	—
August	288,717	2.39	6,028	2.61	2,554	2.17	2,302	2.37	0	—
September	280,798	2.64	4,643	2.39	7,593	2.49	0	—	0	—
October	287,177	2.50	4,168	2.49	5,118	2.48	2,309	2.42	0	—
November	284,514	2.85	6,463	2.31	2,440	2.85	0	—	0	—
December	305,663	2.32	3,296	2.08	5,021	2.51	2,422	2.76	0	—
Total	**3,367,545**	**2.23**	**54,530**	**2.14**	**75,763**	**2.41**	**11,904**	**2.70**	**0**	—
2000										
January	310,181	2.43	2,911	2.30	5,026	2.51	0	—	0	—
February	289,222	2.57	730	2.50	4,987	3.62	0	—	0	—
March	291,469	2.60	316	2.60	3,990	2.40	0	—	0	—
April	273,881	2.85	756	2.97	2,566	2.62	2,274	3.18	0	—
May	274,616	3.06	0	—	2,453	3.01	0	—	0	—
June	278,529	3.89	0	—	2,529	3.40	0	—	2,488	4.20
July	293,353	3.98	27	4.01	2,562	3.27	2,285	3.22	2,496	4.92
August	295,355	3.65	10	4.64	2,370	3.73	0	—	2,510	3.60
September	282,921	4.19	209	5.00	2,556	3.96	1,270	3.25	2,658	3.57
October	293,092	NA	RE209	NA	7,570	NA	0	—	2,503	NA
November	R325,105	NA	RE209	NA	2,552	NA	2,449	NA	0	—
December	E292,598	NA	E209	NA	5,032	NA	0	—	0	—
Total	**E3,500,324**	NA	**E5,586**	NA	**44,192**	NA	**8,278**	NA	**12,654**	NA

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1994 Total	**0**	—	**0**	—	**0**	—	**0**	—	**2,623,839**	**1.87**
1995 Total	**0**	—	**0**	—	**0**	—	**0**	—	**2,841,048**	**1.49**
1996 Total	**0**	—	**0**	—	**4,949**	**3.46**	**0**	—	**2,937,413**	**1.97**
1997 Total	**0**	—	**0**	—	**2,417**	**3.74**	**0**	—	**2,994,173**	**2.17**
1998										
January	0	—	0	—	0	—	0	—	286,278	2.08
February	0	—	0	—	0	—	0	—	251,052	1.94
March	0	—	0	—	0	—	0	—	263,032	1.98
April	0	—	0	—	0	—	0	—	253,161	2.04
May	0	—	0	—	0	—	0	—	252,310	2.02
June	0	—	0	—	0	—	0	—	243,442	1.88
July	0	—	0	—	0	—	0	—	266,319	1.97
August	0	—	0	—	0	—	0	—	274,809	1.82
September	0	—	0	—	0	—	0	—	262,142	1.68
October	0	—	0	—	0	—	0	—	266,063	1.93
November	0	—	0	—	2,667	2.78	0	—	258,033	2.12
December	0	—	0	—	2,585	2.47	0	—	275,417	2.16
Total	**0**	—	**0**	—	**5,252**	**2.63**	**0**	—	**3,152,058**	**1.97**
1999										
January	0	—	0	—	0	—	0	—	310,790	2.03
February	2,647	2.72	0	—	0	—	0	—	286,412	1.93
March	0	—	0	—	0	—	0	—	301,610	1.80
April	2,492	1.91	0	—	0	—	0	—	271,387	1.85
May	0	—	5,493	1.88	0	—	0	—	291,454	2.17
June	2,417	1.94	6,619	2.08	0	—	0	—	279,096	2.13
July	2,388	2.61	6,599	2.11	0	—	0	—	296,422	2.18
August	0	—	9,904	2.33	0	—	[a]2,576	2.36	312,081	2.39
September	4,987	2.74	4,393	2.55	0	—	0	—	302,414	2.63
October	0	—	5,865	2.57	0	—	0	—	304,637	2.50
November	2,374	3.45	6,648	2.85	2,713	3.03	0	—	305,152	2.85
December	2,392	3.59	5,256	2.83	0	—	0	—	324,050	2.34
Total	**19,697**	**2.71**	**50,777**	**2.39**	**2,713**	**3.03**	**[a]2,576**	**2.36**	**3,585,505**	**2.24**
2000										
January	0	—	7,780	3.01	0	—	0	—	325,897	2.44
February	0	—	5,168	2.90	0	—	0	—	300,107	2.59
March	2,428	2.79	8,393	2.89	0	—	0	—	306,596	2.61
April	7,254	2.71	7,285	3.04	0	—	0	—	294,016	2.85
May	0	—	10,723	3.05	0	—	0	—	287,793	3.06
June	2,385	2.75	7,390	3.47	2,725	3.56	0	—	296,046	3.87
July	4,793	3.97	14,307	3.29	0	—	[b]2,464	2.84	322,285	3.94
August	7,167	3.15	8,435	3.29	0	—	[b]2,461	2.84	318,308	3.62
September	7,625	3.97	4,864	2.98	0	—	[b]2,740	4.16	304,843	4.15
October	7,165	NA	4,490	NA	2,760	NA	0	—	[RE]317,790	NA
November	7,241	NA	6,950	NA	0	—	0	—	[RE]344,507	NA
December	0	—	10,262	NA	0	—	0	—	[E]308,102	NA
Total	**46,057**	NA	**96,048**	NA	**5,486**	NA	**7,665**	**3.31**	**[E]3,726,290**	NA

[a] Received from Malaysia.
[b] Received from Oman.
[R] Revised Data.
[E] Estimated Data.
[RE] Revised Estimated Data.
NA Not Available.
— Not Applicable.

Sources: 1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6

Table 6. U.S. Natural Gas Exports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico			
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1994 Total	**52,556**	**2.42**	**46,500**	**1.68**	**62,682**	**3.18**	**0**	—	**161,738**	**2.50**
1995 Total	**27,554**	**1.96**	**61,283**	**1.50**	**65,283**	**3.41**	**0**	—	**154,119**	**2.39**
1996 Total	**51,905**	**2.67**	**33,840**	**2.11**	**67,648**	**3.65**	**0**	—	**153,393**	**2.97**
1997 Total	**56,447**	**2.52**	**38,372**	**2.46**	**62,187**	**3.83**	**0**	—	**157,006**	**3.02**
1998										
January	4,930	2.53	4,257	2.11	7,446	3.67	0	—	16,632	2.93
February	4,502	2.11	3,117	2.06	3,726	3.42	0	—	11,346	2.53
March	7,851	2.25	4,202	2.14	7,435	3.09	0	—	19,488	2.55
April	4,509	2.47	2,675	2.23	5,702	2.81	0	—	12,886	2.57
May	2,083	2.28	6,119	2.12	1,891	2.70	0	—	10,093	2.26
June	1,938	2.03	5,617	1.98	5,695	2.69	0	—	13,250	2.29
July	1,634	1.97	3,852	2.20	5,679	2.70	0	—	11,166	2.42
August	52	1.87	4,834	1.95	5,676	2.70	1	5.88	10,563	2.35
September	1,481	2.09	2,892	1.81	7,584	2.68	0	—	11,957	2.40
October	2,127	2.03	5,167	1.90	5,679	2.72	3	5.74	12,975	2.28
November	3,630	2.17	5,079	2.00	3,776	2.75	9	5.69	12,494	2.28
December	5,152	2.26	5,323	1.99	5,662	2.73	20	5.68	16,157	2.34
Total	**39,891**	**2.25**	**53,133**	**2.04**	**65,951**	**2.91**	**33**	**5.69**	**159,007**	**2.45**
1999										
January	2,264	1.92	4,526	1.81	5,586	2.95	24	7.41	12,400	2.36
February	2,564	1.93	4,777	1.72	5,564	2.94	29	7.39	12,934	2.30
March	4,494	1.80	5,950	1.62	5,570	2.88	21	7.33	16,035	2.11
April	2,246	1.80	5,049	1.87	5,687	2.77	19	7.13	13,001	2.26
May	2,212	2.26	6,108	2.27	5,644	2.78	24	7.42	13,988	2.48
June	1,953	2.14	5,278	2.29	3,754	2.77	18	7.28	11,003	2.44
July	1,987	2.19	5,612	2.31	5,675	2.88	20	7.14	13,294	2.54
August	2,018	2.41	5,398	2.70	5,643	3.11	20	7.36	13,079	2.84
September	1,959	2.80	5,267	2.89	5,605	3.23	21	7.26	12,852	3.03
October	2,339	2.63	4,086	2.68	3,723	3.28	13	7.07	10,161	2.89
November	8,018	2.95	5,001	2.89	5,579	3.56	30	5.85	18,628	3.12
December	6,454	2.39	3,973	2.28	5,577	3.81	36	5.82	16,040	2.86
Total	**38,508**	**2.35**	**61,025**	**2.27**	**63,607**	**3.08**	**275**	**6.95**	**163,415**	**2.61**
2000										
January	7,056	2.49	5,937	2.39	5,569	4.04	36	5.82	18,597	2.93
February	9,033	2.70	6,394	2.62	5,566	4.08	37	5.82	21,030	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,505	3.00
April	3,093	2.86	8,222	2.94	5,670	4.25	30	5.82	17,015	3.37
May	3,791	3.15	10,338	3.23	5,709	4.27	31	5.82	19,869	3.52
June	4,331	4.19	8,714	4.30	3,763	4.34	30	5.82	16,837	4.28
July	4,042	4.37	10,157	4.52	5,597	4.36	29	5.82	19,825	4.45
August	3,900	3.90	11,248	4.16	5,598	4.22	29	5.82	20,775	4.13
September	4,617	4.77	10,265	5.07	5,592	4.37	28	5.82	20,503	4.81
October	RE4,617	NA	RE10,265	NA	6,165	NA	NA	NA	RE21,048	NA
November	RE4,617	NA	RE10,265	NA	5,686	NA	NA	NA	RE20,568	NA
December	E4,617	NA	E10,265	NA	5,579	NA	NA	NA	E20,462	NA
Total	**E62,764**	NA	**E109,713**	NA	**64,263**	NA	NA	NA	**E237,035**	NA

E Estimated Data.
RE Revised Estimated Data.
NA Not Available.
— Not Applicable.

Sources: 1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet)

Year and Month	Alabama[b]	Alaska	Arizona	California	Colorado	Florida	Kansas
1994 Total	**515,272**	**555,402**	**752**	**309,427**	**453,207**	**7,486**	**712,730**
1995 Total	**519,661**	**469,550**	**558**	**279,555**	**523,084**	**6,463**	**721,436**
1996 Total	**530,841**	**480,828**	**463**	**286,494**	**572,071**	**6,006**	**712,796**
1997 Total	**583,272**	**468,311**	**452**	**285,690**	**637,375**	**6,114**	**687,215**
1998							
January	46,466	43,382	43	24,752	57,511	503	53,032
February	41,653	39,244	42	22,151	52,954	491	48,698
March	46,476	42,479	53	22,708	58,795	592	52,948
April	46,281	38,540	43	21,952	57,586	531	51,415
May	48,978	35,281	38	23,894	57,916	513	54,334
June	49,638	36,217	34	24,871	55,989	426	52,862
July	50,131	36,171	42	27,157	57,737	486	51,324
August	49,215	36,118	36	29,727	58,584	472	54,059
September	42,308	36,884	32	29,114	57,005	498	43,419
October	47,503	39,958	31	30,467	60,868	423	47,058
November	46,682	39,483	33	29,508	59,592	401	47,359
December	48,447	42,890	33	28,974	61,783	459	47,078
Total	**563,779**	**466,648**	**457**	**315,277**	**696,321**	**5,796**	**603,586**
1999							
January	47,546	43,013	31	31,961	62,170	511	52,200
February	43,684	38,930	27	27,952	63,344	503	43,801
March	45,306	42,128	35	30,224	61,664	604	47,290
April	42,455	38,249	37	28,811	57,978	548	45,904
May	47,604	35,039	39	31,170	63,312	537	46,147
June	46,613	35,938	44	30,778	62,489	442	46,452
July	46,686	35,896	60	33,356	61,282	499	46,254
August	45,972	35,853	51	34,047	61,337	480	45,902
September	44,743	36,627	43	33,273	58,761	501	44,294
October	45,420	39,617	43	34,685	62,548	427	45,342
November	45,157	39,158	35	33,373	61,819	408	44,094
December	46,085	42,517	28	33,085	62,383	473	45,740
Total	**547,271**	**462,967**	**474**	**382,715**	**739,085**	**5,933**	**553,419**
2000							
January	32,259	43,584	37	31,011	[E]63,486	499	44,772
February	30,264	38,884	33	28,855	[E]60,681	480	42,199
March	31,540	39,274	26	31,351	[E]64,312	567	40,737
April	30,422	39,084	28	30,645	[E]62,013	[E]500	49,749
May	31,134	35,171	31	31,886	[E]64,061	[E]482	43,445
June	29,595	35,120	32	29,799	[E]62,366	[E]392	43,565
July	30,209	36,894	32	31,124	[E]63,526	[E]432	42,591
August	30,436	[E]36,962	33	32,702	[E]64,198	[E]398	43,918
September	28,739	[E]37,375	33	47,344	[E]62,063	[E]447	40,524
October	[E]30,308	[E]43,877	33	[E]48,054	[E]65,494	[E]352	39,917
2000 YTD	**[E]304,906**	**[E]386,225**	**319**	**[E]342,773**	**[E]632,200**	**[E]4,549**	**431,417**
1999 YTD	**456,030**	**381,291**	**411**	**316,257**	**614,883**	**5,052**	**463,586**
1998 YTD	**468,649**	**384,275**	**391**	**256,795**	**574,946**	**4,936**	**509,149**

See footnotes at end of table.

Table 7

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet) — Continued

Year and Month	Louisiana[b]	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1994 Total	**5,169,705**	**222,657**	**63,448**	**50,416**	**1,557,689**	**57,805**	**1,934,864**
1995 Total	**5,108,366**	**238,203**	**95,533**	**50,264**	**1,625,837**	**49,468**	**1,811,734**
1996 Total	**5,289,742**	**245,740**	**103,263**	**50,996**	**1,554,087**	**49,674**	**1,734,887**
1997 Total	**5,229,821**	**305,950**	**107,300**	**52,437**	**1,558,633**	**52,401**	**1,703,888**
1998							
January	453,867	28,460	9,639	4,831	130,265	4,623	158,897
February	409,480	8,278	8,574	4,569	118,164	4,039	126,200
March	459,364	30,780	9,781	4,892	132,729	4,344	136,334
April	452,863	17,823	8,957	4,683	127,544	4,311	134,115
May	471,279	29,198	9,121	4,978	131,488	4,529	140,400
June	451,104	26,958	8,586	4,448	120,632	4,304	136,013
July	454,637	26,171	9,258	4,636	126,924	4,460	134,510
August	457,279	18,896	8,834	4,594	129,164	4,546	139,914
September	363,707	28,491	8,664	4,750	124,152	4,435	134,805
October	433,764	21,816	8,868	5,040	129,640	4,610	138,167
November	431,629	12,013	8,602	5,044	116,404	4,465	134,583
December	448,896	29,193	9,184	5,182	113,991	4,520	130,592
Total	**5,287,870**	**278,076**	**108,068**	**57,645**	**1,501,098**	**53,185**	**1,644,531**
1999							
January	459,044	20,743	9,152	5,235	129,321	4,408	135,369
February	417,264	8,426	8,678	4,768	116,787	3,931	121,063
March	462,267	40,112	9,933	5,240	128,657	4,227	133,865
April	451,763	22,574	9,426	4,889	126,045	4,299	125,362
May	457,608	25,240	9,708	5,057	125,612	4,345	128,071
June	437,730	25,084	9,480	4,666	125,381	4,333	128,410
July	455,946	23,988	9,542	5,178	127,971	4,578	134,140
August	451,409	19,154	9,406	5,123	130,728	4,542	139,529
September	429,403	24,652	9,198	5,026	124,664	4,432	126,716
October	439,129	13,540	9,050	5,305	130,728	4,613	139,787
November	422,311	21,676	8,608	5,048	127,749	4,534	130,810
December	429,918	32,175	8,840	5,629	118,027	4,622	127,725
Total	**5,313,794**	**277,364**	**111,021**	**61,163**	**1,511,671**	**52,862**	**1,570,847**
2000							
January	460,309	22,664	8,241	5,938	119,673	4,596	[E]133,257
February	432,654	16,043	5,386	5,544	120,198	4,114	[E]124,665
March	467,392	33,779	7,350	5,881	129,748	4,288	[E]132,000
April	452,175	12,800	6,785	5,610	[E]125,466	4,270	[E]128,321
May	462,558	26,717	7,527	4,958	[E]127,931	4,530	[E]134,196
June	458,181	17,497	6,938	5,470	[E]120,686	4,316	[E]128,340
July	470,775	30,350	7,347	5,876	[E]125,694	4,503	[E]137,592
August	465,305	32,904	7,571	5,836	[E]128,081	4,329	[E]138,201
September	440,578	24,785	[E]7,341	5,724	[E]122,774	4,324	[E]129,454
October	457,801	[E]18,233	[E]7,608	[E]5,544	[E]128,392	4,496	[E]140,410
2000 YTD	**4,567,728**	**[E]235,773**	**[E]72,094**	**[E]56,381**	**[E]1,248,643**	**43,768**	**[E]1,326,436**
1999 YTD	**4,461,565**	**223,513**	**93,572**	**50,486**	**1,265,894**	**43,707**	**1,312,313**
1998 YTD	**4,407,345**	**236,870**	**90,283**	**47,419**	**1,270,703**	**44,201**	**1,379,355**

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas[c]	Utah	Wyoming	Other[a] States	U.S. Total
1994 Total	**3,221**	**6,353,844**	**270,858**	**696,018**	**774,724**	**19,709,525**
1995 Total	**1,923**	**6,330,048**	**241,290**	**673,775**	**759,728**	**19,506,474**
1996 Total	**1,439**	**6,470,620**	**250,767**	**666,036**	**805,491**	**19,812,241**
1997 Total	**1,173**	**6,453,873**	**257,139**	**738,368**	**736,679**	**19,866,093**
1998						
January	90	550,623	21,826	66,238	64,219	1,719,267
February	79	497,583	21,758	59,825	56,464	1,520,246
March	96	548,845	23,656	64,659	60,395	1,699,925
April	92	531,219	23,513	61,338	57,355	1,640,161
May	92	545,368	24,967	65,642	57,484	1,705,500
June	90	522,691	23,968	59,655	55,586	1,634,073
July	95	536,998	23,036	63,534	58,630	1,665,937
August	94	542,707	23,681	63,228	56,789	1,677,936
September	90	507,526	21,554	63,059	56,609	1,527,103
October	83	529,662	23,830	65,994	61,915	1,649,698
November	85	509,919	23,045	64,618	57,038	1,590,505
December	80	495,612	22,507	63,523	62,259	1,615,203
Total	**1,067**	**6,318,754**	**277,340**	**761,313**	**704,742**	**19,645,554**
1999						
January	83	526,872	23,467	68,995	73,022	1,693,142
February	84	482,797	21,141	63,372	64,209	1,530,761
March	120	528,147	23,878	69,149	67,861	1,700,709
April	111	509,507	22,076	65,885	64,148	1,620,068
May	113	526,194	22,771	63,061	65,032	1,656,660
June	111	504,194	21,828	68,120	63,027	1,615,119
July	110	524,016	21,707	66,954	64,718	1,662,881
August	74	513,844	21,493	68,293	63,445	1,650,681
September	90	499,047	19,725	68,694	64,276	1,594,165
October	124	517,242	21,610	72,965	70,415	1,652,589
November	134	495,575	21,364	70,952	68,512	1,601,317
December	138	490,218	21,554	76,691	71,915	1,617,763
Total	**1,291**	**6,117,653**	**262,614**	**823,132**	**800,579**	**19,595,854**
2000						
January	120	534,692	21,995	86,404	[E]75,054	[E]1,688,591
February	101	497,914	20,513	80,313	[E]66,471	[E]1,575,311
March	102	540,947	21,897	85,644	[E]71,039	[E]1,707,874
April	95	518,945	21,241	83,875	[E]67,479	[E]1,639,504
May	98	537,490	22,513	83,469	[E]68,351	[E]1,686,551
June	90	529,585	21,508	82,406	[E]65,614	[E]1,641,500
July	86	535,212	22,747	85,393	[E]67,413	[E]1,697,797
August	92	546,326	22,739	[E]86,757	[E]66,494	[E]1,713,281
September	93	519,017	22,545	[E]85,039	[E]65,743	[E]1,643,942
October	105	529,961	23,290	[E]88,300	[E]72,477	[E]1,704,653
2000 YTD	**983**	**5,290,089**	**220,988**	**[E]847,598**	**[E]686,136**	**[E]16,699,004**
1999 YTD	**1,019**	**5,131,860**	**219,695**	**675,489**	**660,152**	**16,376,774**
1998 YTD	**901**	**5,313,223**	**231,789**	**633,172**	**585,445**	**16,439,846**

[a] Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 2000 monthly values for these States are estimated.

[b] For Alabama and Louisiana, all data for 1994 through 1999 include Federal Offshore production. For 2000, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

[c] Federal offshore production volumes are included.

[E] Estimated Data.

Notes: Data for 1994 through 1999 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1994-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999.* January 2000 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, October 2000

(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed[a]	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	E32,986	E546	E33,533	E1,252	E1,872	E100	E30,308
Alaska	E16,576	E313,323	E329,899	E285,296	0	E726	E43,877
Arizona	33	0	33	0	0	0	33
California	E17,258	E35,317	E52,575	E4,147	E251	E122	E48,054
Colorado	E56,858	E9,256	E66,114	E551	0	E69	E65,494
Florida	E0	E398	E398	0	E46	0	E352
Kansas	36,283	3,743	40,025	68	0	40	39,917
Louisiana	402,862	60,562	463,424	3,635	0	1,988	457,801
Michigan	E14,840	E3,710	E18,550	E131	0	E186	E18,233
Mississippi	E9,499	E495	E9,994	E552	E1,619	E216	E7,608
Montana	E4,883	E666	E5,549	E6	0	0	E5,544
New Mexico	E123,124	E19,058	E142,183	E865	E12,696	E230	E128,392
North Dakota	1,110	3,726	4,836	0	8	332	4,496
Oklahoma	E126,670	E13,740	E140,410	E0	E0	E0	E140,410
Oregon	127	0	127	4	18	0	105
Texas	469,896	113,701	583,596	37,767	13,413	2,455	529,961
Utah	21,127	3,008	24,135	42	0	802	23,290
Wyoming	E115,386	E9,111	E124,497	E5,938	E15,233	E15,027	E88,300
Other States	E70,945	E2,821	E73,765	E75	E529	E683	E72,477
Total	**E1,520,462**	**E593,180**	**E2,113,643**	**E340,326**	**E45,686**	**E22,978**	**E1,704,653**

[a] See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

E Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1995-2001

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total[b]	Volume	Percent	Injections	Withdrawals	Net Withdrawals[c]
1995 Total[a]	**4,349**	**2,153**	**6,503**	**-453**	**-17.4**	**2,566**	**2,974**	**408**
1996 Total[a]	**4,341**	**2,173**	**6,513**	**19**	**0.9**	**2,906**	**2,911**	**6**
1997 Total[a]	**4,350**	**2,175**	**6,525**	**2**	**0.1**	**2,800**	**2,824**	**24**
1998 Total[a]	**4,326**	**2,730**	**7,056**	**554**	**25.5**	**2,905**	**2,379**	**-526**
1999								
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
Total	—	—	—	—	—	**2,598**	**2,772**	**174**
2000								
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	[d]4,279	[d]2,774	7,053	-300	-9.8	313	87	-227
November	4,284	2,517	6,801	-548	-17.9	108	401	293
December	4,279	1,792	6,072	-731	-29.0	65	755	690
Total	—	—	—	—	—	**[R]2,590**	**[R]3,436**	**[R]846**
2001								
January(STIFS)	[RE]4,279	[RE]1,277	[RE]5,556	[RE]-448	[RE]-26.0	NA	NA	[RE]515
February(STIFS)	[E]4,279	[E]901	[E]5,180	[E]-400	[E]-30.7	NA	NA	[E]376

[a] Total as of December 31.

[b] Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1995 - 7,927; 1996 - 8,159; 1997 - 8,128; 1998 - 8,179; 1999 - 8,229; and 2000 - 8,246.

[c] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

[d] Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

[R] Revised Data.

[E] Estimated Data.

[RE] Revised Estimated Data.

NA Not Available.

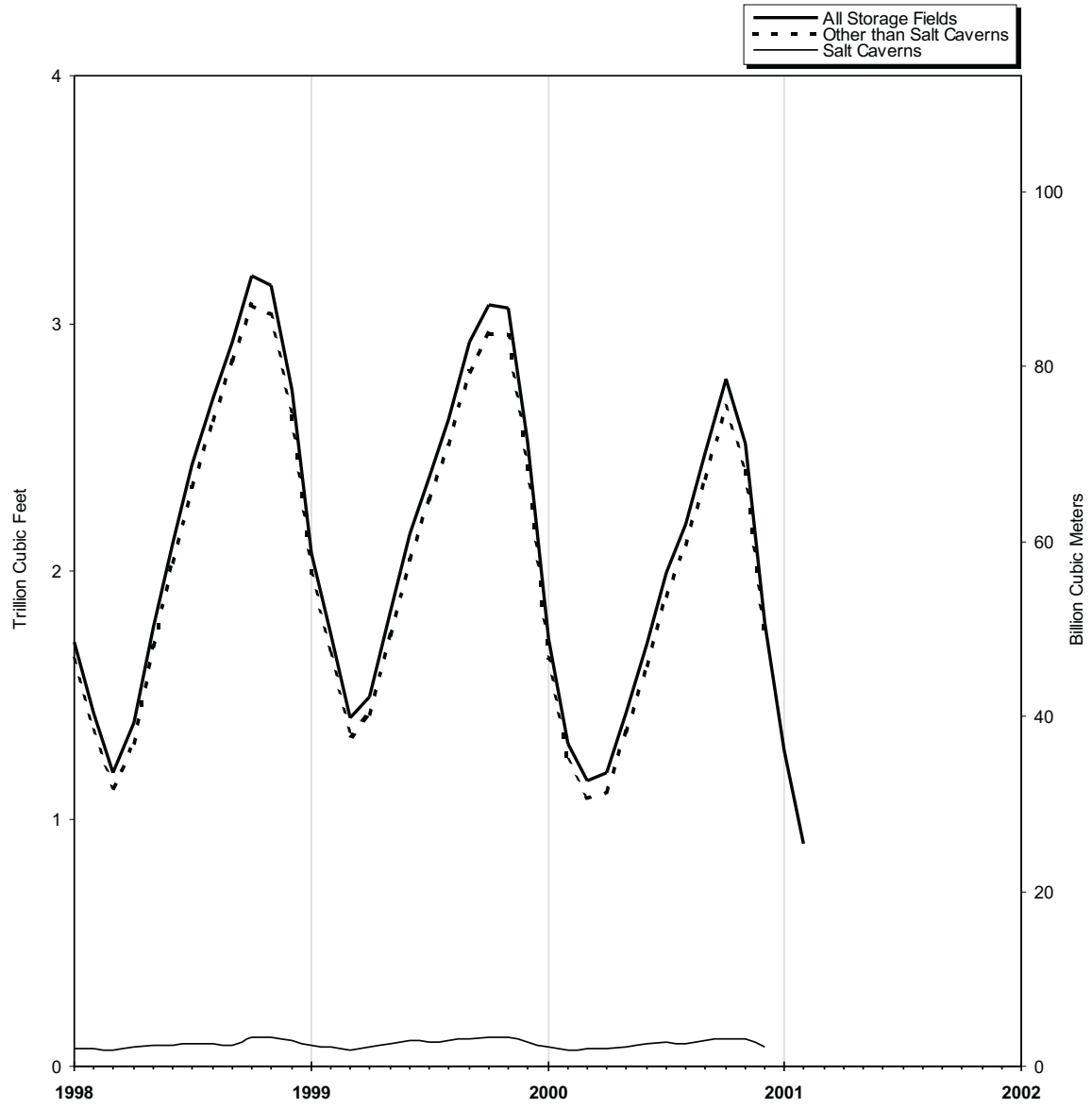
— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1998-2001



Sources: Energy Information Administration, Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 10. Underground Natural Gas Storage - by Season, 1999-2001

(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals[a]
March 1999	4,383	1,406	5,789	223	18.9	87	384	297
1999 Refill Season								
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
Total	—	—	—	—	—	**2,154**	**511**	**-1,643**
1999-2000 Heating Season								
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
Total	—	—	—	—	—	**494**	**2,465**	**1,971**
2000 Refill Season								
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	[b]4,279	[b]2,774	7,053	-300	-9.8	313	87	-227
Total	—	—	—	—	—	**2,158**	**625**	**-1,533**
2000-2001 Heating Season								
November	4,284	2,517	6,801	-548	-17.9	108	401	293
December	4,279	1,792	6,072	-731	-29.0	65	755	690
January(STIFS)	[RE]4,279	[RE]1,277	[RE]5,556	[RE]-448	[RE]-26.0	NA	NA	[RE]515
February(STIFS)	[E]4,279	[E]901	[E]5,180	[E]-400	[E]-30.7	NA	NA	[E]376

[a] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

[b] Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

[E] Estimated Data.

[RE] Revised Estimated Data.

NA Not Available.

— Not Applicable.

Notes: Data through 1999 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1994 - 2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total[a]	**44**	**70**	**113**	—	—	**142**	**123**	**-19**
1995 Total[a]	**60**	**72**	**131**	**2**	**2.9**	**194**	**200**	**5**
1996 Total[a]	**64**	**85**	**149**	**14**	**18.8**	**258**	**246**	**-13**
1997 Total[a]	**67**	**83**	**150**	**-4**	**-3.0**	**267**	**274**	**6**
1998								
January	67	69	136	10	21.6	18	31	13
February	66	69	135	18	39.1	18	21	3
March	68	64	131	8	13.8	23	29	6
April	68	80	149	22	38.7	30	12	-18
May	68	83	151	9	12.9	26	23	-3
June	66	83	149	3	4.1	21	23	2
July	66	91	157	25	38.0	26	18	-8
August	66	92	158	25	38.8	24	22	-2
September	67	83	151	5	7.4	24	33	9
October	67	116	183	22	24.4	45	12	-33
November	68	119	186	23	24.5	23	18	-5
December	67	104	171	21	26.0	18	33	15
Total	**67**	**104**	**171**	**21**	**26.0**	**297**	**275**	**-22**
1999								
January	67	82	149	13	18.2	19	39	19
February	67	77	144	8	12.0	16	21	5
March	67	68	135	4	6.6	18	26	8
April	67	78	145	-3	-3.2	28	19	-9
May	67	94	161	12	14.2	29	12	-17
June	65	102	167	19	22.5	22	16	-6
July	65	96	161	5	5.5	16	25	8
August	66	102	168	10	10.7	23	16	-8
September	67	112	179	28	34.0	24	13	-10
October	67	115	182	-1	-0.6	23	21	-2
November	67	116	184	-2	-1.7	21	17	-4
December	69	100	169	-4	-4.0	19	35	16
Total	—	—	—	—	—	**260**	**259**	**-1**
2000								
January	68	75	143	-9	-10.4	15	49	34
February	69	66	135	-11	-14.4	23	21	-2
March	69	69	139	2	2.4	24	20	-4
April	70	74	144	-3	-3.8	24	19	-5
May	70	77	147	-17	-17.9	27	24	-3
June	70	89	160	-13	-12.6	28	15	-12
July	72	97	168	3	2.7	30	21	-9
August	72	88	161	-14	-13.5	21	30	9
September	72	101	172	-11	-9.9	30	18	-12
October	72	109	181	-6	-5.1	29	20	-9
November	69	111	180	-6	-4.8	22	24	2
December	70	75	145	-25	-25.4	19	53	34
Total	—	—	—	—	—	**291**	**314**	**23**

[a] Total as of December 31.

— Not Applicable.

Notes: Data for 1994 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1994-2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total[a]	**4,317**	**2,536**	**6,853**	—	—	**2,654**	**2,385**	**-269**
1995 Total[a]	**4,290**	**2,082**	**6,371**	**-455**	**-17.9**	**2,372**	**2,774**	**403**
1996 Total[a]	**4,277**	**2,087**	**6,364**	**6**	**0.3**	**2,647**	**2,665**	**18**
1997 Total[a]	**4,283**	**2,092**	**6,375**	**4**	**0.2**	**2,533**	**2,551**	**18**
1998								
January	4,281	1,643	5,923	203	14.2	51	507	456
February	4,276	1,357	5,633	267	24.5	57	344	287
March	4,274	1,119	5,393	184	19.8	113	353	240
April	4,271	1,306	5,576	312	31.5	250	68	-182
May	4,272	1,691	5,963	398	30.9	407	20	-387
June	4,269	2,030	6,300	378	23.0	358	29	-329
July	4,312	2,337	6,649	385	19.8	345	36	-309
August	4,274	2,606	6,880	332	14.7	312	37	-275
September	4,273	2,844	7,118	247	9.6	274	41	-233
October	4,275	3,076	7,350	280	10.1	263	34	-229
November	4,276	3,036	7,313	430	16.6	114	150	36
December	4,259	2,626	6,884	532	25.5	64	485	421
Total	**4,259**	**2,626**	**6,884**	**533**	**25.5**	**2,608**	**2,103**	**-504**
1999								
January	4,264	1,991	6,255	348	21.2	39	643	604
February	4,262	1,669	5,931	311	22.9	47	364	317
March	4,316	1,338	5,654	219	19.5	69	358	289
April	4,314	1,417	5,731	112	8.6	182	101	-81
May	4,305	1,740	6,045	49	2.9	352	32	-319
June	4,305	2,047	6,352	17	0.8	327	26	-301
July	4,305	2,284	6,588	-46	-2.3	282	56	-226
August	4,302	2,508	6,810	-98	-3.8	288	74	-214
September	4,302	2,811	7,114	-33	-1.2	334	29	-305
October	4,303	2,958	7,261	-117	-3.8	224	71	-153
November	4,313	2,949	7,261	-88	-2.9	151	187	36
December	4,314	2,423	6,738	-202	-7.7	44	571	527
Total	—	—	—	—	—	**2,338**	**2,512**	**175**
2000								
January	4,295	1,649	5,944	-361	-17.9	33	779	746
February	4,302	1,234	5,537	-480	-28.0	55	511	455
March	4,295	1,080	5,375	-282	-20.7	109	274	166
April	4,293	1,110	5,403	-326	-22.7	156	126	-30
May	4,285	1,349	5,635	-403	-23.0	280	51	-229
June	4,284	1,617	5,902	-437	-21.3	312	52	-260
July	4,284	1,899	6,183	-397	-17.3	338	56	-282
August	4,283	2,101	6,384	-428	-16.9	275	73	-202
September	4,283	2,372	6,655	-439	-15.6	324	54	-270
October	[b]4,208	[b]2,664	6,872	-294	-9.9	285	67	-218
November	4,215	2,407	6,621	-542	-18.4	86	377	291
December	4,209	1,718	5,927	-705	-29.1	46	703	656
Total	—	—	—	—	—	**2,299**	**3,122**	**823**

[a] Total as of December 31.

[b] Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

— Not Applicable.

Notes: Data for 1994 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet)

State	2000						
	Total	December	November	October	September	August	July
Alabama	442	85	203	142	110	0	-82
Arkansas	3,033	2,077	432	-397	-268	-680	-649
California	50,820	6,831	27,276	-10,226	-1,265	19,352	445
Colorado	7,842	4,853	3,997	-1,948	-2,199	-4,786	-4,625
Illinois	21,522	49,879	25,938	-34,383	-31,497	-28,597	-28,764
Indiana	3,461	7,070	-611	-4,337	-3,365	-2,742	-2,234
Iowa	13,521	22,525	10,744	-13,491	-12,835	-11,670	-10,921
Kansas	31,383	23,268	21,088	-18,798	-16,291	-987	-9,930
Kentucky	28,175	22,098	10,789	-8,493	-10,337	-6,477	-10,659
Louisiana	101,886	67,243	11,299	-18,447	-15,935	-12,898	-23,151
Maryland	4,700	5,242	1,346	-285	-44	-2,244	-2,002
Michigan	157,344	103,030	54,268	-37,724	-46,403	-52,904	-49,908
Minnesota	418	604	-92	-199	-266	-272	-343
Mississippi	2,237	14,226	4,898	-4,385	-4,631	-3,417	-5,252
Missouri	662	1,111	-190	-353	-711	215	17
Montana	13,893	5,167	3,716	49	-957	-2,261	-2,039
Nebraska	4,366	1,124	1,622	-504	-764	225	-620
New Mexico	-570	417	-296	-906	-50	1,041	800
New York	9,890	17,274	5,063	-4,037	-7,910	-7,494	-10,087
Ohio	56,994	60,771	23,882	-10,000	-23,629	-24,973	-33,090
Oklahoma	92,652	42,260	16,069	-9,297	-14,618	1,344	-2,413
Oregon	1,481	1,476	798	143	0	-2,017	-2,209
Pennsylvania	46,047	95,842	21,847	-26,478	-47,291	-32,838	-52,073
Tennessee	205	0	0	-114	0	0	0
Texas	130,785	67,670	12,612	-13,107	-8,249	13,808	-1,272
Utah	7,354	10,929	9,079	1,050	-5,510	-6,540	-6,654
Virginia	393	695	344	-245	-201	-212	-214
Washington	1,932	-1,986	3,781	1,188	-2,835	909	-3,739
West Virginia	44,507	55,093	20,779	-11,536	-23,871	-25,345	-28,215
Wyoming	8,584	3,622	2,005	341	-360	-897	-517
AGA Regions							
Producing	361,405	217,161	66,102	-65,338	-60,041	-1,789	-41,867
Eastern Consuming	392,228	441,838	176,022	-151,834	-208,748	-195,056	-228,850
Western Consuming	92,325	31,496	50,560	-9,603	-13,394	3,486	-19,680
Total	**845,958**	**690,495**	**292,684**	**-226,775**	**-282,183**	**-193,359**	**-290,397**

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	2000						1999
	June	May	April	March	February	January	Total
Alabama	-594	-90	66	-8	-307	916	-164
Arkansas	-444	-698	-287	997	1,228	1,722	233
California	-6,789	-10,967	-19,885	-3,144	21,871	27,322	8,194
Colorado	-4,611	-751	1,382	6,707	3,627	6,198	-1,502
Illinois	-33,160	-13,295	13,190	8,776	34,403	59,032	-2,715
Indiana	-1,939	-258	1,350	2,031	1,448	7,049	-244
Iowa	-5,856	-4,399	1,706	5,207	11,385	21,126	2,445
Kansas	-9,788	-6,106	2,275	11,548	9,643	25,461	15,568
Kentucky	-6,185	-4,062	3,470	6,759	10,109	21,162	2,725
Louisiana	-22,366	-4,878	9,828	19,976	38,771	52,444	9,530
Maryland	-2,999	-2,480	-633	-65	3,384	5,481	-63
Michigan	-45,556	-48,446	-6,666	44,807	80,436	162,410	32,938
Minnesota	-131	2	116	301	298	401	-253
Mississippi	-5,226	-4,057	527	-1,228	-595	11,377	14,502
Missouri	20	-25	103	-98	-548	1,122	-567
Montana	-456	522	621	2,164	3,191	4,177	7,884
Nebraska	1,077	-78	-92	42	1,313	1,019	473
New Mexico	-794	-469	-2,587	208	1,034	1,032	-2,289
New York	-9,999	-8,663	-2,854	6,360	13,702	18,533	7,825
Ohio	-21,527	-28,909	-5,163	24,219	36,569	58,844	16,019
Oklahoma	-9,952	-9,562	-5,856	2,165	36,526	45,987	-6,703
Oregon	-2,043	-869	783	1,766	1,566	2,088	-589
Pennsylvania	-42,668	-52,902	-7,196	11,168	66,917	111,718	23,197
Tennessee	0	0	18	63	63	175	-34
Texas	-7,124	-2,892	-10,396	-9,237	34,595	54,376	5,985
Utah	-5,712	-5,531	-4,447	3,012	7,585	10,093	9,193
Virginia	-214	-278	-114	32	105	695	92
Washington	-3,660	-2,639	-893	1,485	2,566	7,755	-1,213
West Virginia	-22,374	-18,051	-4,487	14,440	30,334	57,742	34,622
Wyoming	-1,168	-1,590	507	1,332	2,373	2,935	-1,063
AGA Regions							
Producing	-55,693	-28,663	-6,496	24,430	121,202	192,398	36,826
Eastern Consuming	-191,974	-181,936	-7,304	123,733	289,313	527,024	116,549
Western Consuming	-24,570	-21,823	-21,815	13,622	43,076	60,969	20,650
Total	**-272,238**	**-232,422**	**-35,615**	**161,785**	**453,592**	**780,391**	**174,025**

See footnotes at end of table.

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1999						
	December	November	October	September	August	July	June
Alabama	189	-134	77	-402	-81	-235	-210
Arkansas	1,276	423	-219	-237	-901	-1,116	-1,086
California	24,198	-4,553	-4,598	-9,527	3,398	-10,930	-20,225
Colorado	5,058	-902	-2,450	-4,903	-5,456	-6,717	-5,545
Illinois	42,415	2,345	-31,518	-38,163	-32,748	-25,990	-25,952
Indiana	4,419	-2,227	-3,862	-4,404	-2,939	-1,815	-1,755
Iowa	21,305	1,096	-10,941	-13,108	-11,316	-10,783	-6,837
Kansas	22,458	873	-1,078	-14,542	-9,853	-3,081	-17,117
Kentucky	10,737	2,295	-1,066	-9,932	-1,223	-3,733	-9,995
Louisiana	39,997	6,656	-11,735	-32,398	-3,887	-3,692	-20,249
Maryland	1,420	460	-3,376	-1,411	-1,953	1,324	93
Michigan	105,683	6,548	-24,215	-49,773	-56,778	-40,734	-50,367
Minnesota	147	-128	-175	-272	-250	-308	-172
Mississippi	9,530	-2,778	1,041	-2,219	-1,267	927	-3,757
Missouri	340	-174	-205	-408	-64	6	6
Montana	2,618	1,154	493	-1,484	-2,544	-1,795	-1,786
Nebraska	557	-252	-440	-1,645	-949	522	-651
New Mexico	814	-1,202	-259	-2,232	-841	-172	-443
New York	12,574	1,488	-948	-5,728	-6,898	-5,916	-6,912
Ohio	44,624	8,737	-9,815	-25,793	-28,634	-28,566	-28,724
Oklahoma	19,463	-2,807	-11,571	-15,615	501	-979	-9,663
Oregon	1,350	-593	0	-1,546	-1,316	-2,119	-2,018
Pennsylvania	69,287	4,253	-19,029	-41,496	-35,101	-27,893	-36,043
Tennessee	164	56	-57	-105	-104	-76	-107
Texas	38,524	-652	-12,103	-10,456	9,511	-6,126	-21,731
Utah	12,584	957	-1,889	-4,860	-4,582	-7,489	-5,915
Virginia	455	181	-109	-414	-207	-211	-213
Washington	1,577	-152	-1,462	-477	-477	-3,748	-1,875
West Virginia	46,561	10,665	-3,320	-20,427	-23,063	-23,750	-26,485
Wyoming	2,359	539	-307	-1,030	-1,371	-2,294	-1,662
AGA Regions							
Producing	132,062	515	-35,924	-77,700	-6,737	-14,239	-74,047
Eastern Consuming	360,730	35,337	-108,825	-213,208	-202,059	-167,850	-194,151
Western Consuming	49,889	-3,678	-10,388	-24,100	-12,599	-35,399	-39,197
Total	**542,681**	**32,174**	**-155,137**	**-315,007**	**-221,395**	**-217,488**	**-307,395**

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1999					1998	
	May	April	March	February	January	Total	December
Alabama	-471	-137	312	114	813	-447	139
Arkansas	-1,045	-667	690	1,049	2,066	-1,774	1,245
California	-26,494	-255	10,391	21,751	25,038	-40,969	30,486
Colorado	-330	8,833	3,294	3,659	3,957	-5,072	7,324
Illinois	-25,941	10,812	26,392	39,761	55,871	-9,780	42,407
Indiana	-839	915	3,698	2,958	5,608	-921	4,063
Iowa	-4,596	86	5,170	11,814	20,553	-2,954	20,920
Kansas	-12,184	5,000	13,750	9,144	22,198	-18,691	14,533
Kentucky	-8,182	-2,234	6,054	7,798	12,207	-11,700	10,352
Louisiana	-22,462	-15,120	10,038	15,818	46,564	-82,860	38,463
Maryland	-2,551	-666	1,210	1,984	3,403	-876	1,882
Michigan	-48,216	-28,170	52,258	56,494	110,210	-74,840	60,982
Minnesota	0	214	167	238	287	372	438
Mississippi	-5,165	-2,483	6,806	3,311	10,556	-10,185	5,464
Missouri	-697	-27	148	342	167	173	573
Montana	-577	1,303	2,380	3,330	4,792	-400	3,962
Nebraska	-655	1,266	1,447	500	772	1,466	1,336
New Mexico	-1,371	1,025	943	83	1,365	-6,479	-619
New York	-9,939	-5,300	10,065	9,840	15,499	-10,656	6,889
Ohio	-34,597	-5,265	34,933	34,280	54,840	-26,672	35,491
Oklahoma	-13,960	-8,905	8,272	-2,335	30,896	-48,008	24,711
Oregon	164	718	1,158	1,679	1,934	-1,278	1,329
Pennsylvania	-46,154	-24,531	45,462	49,624	84,818	-40,009	46,685
Tennessee	-143	3	80	131	124	-62	131
Texas	-31,047	-14,800	14,518	6	40,340	-102,117	36,724
Utah	-3,772	1,667	5,738	6,185	10,569	676	6,533
Virginia	-271	-183	318	440	308	-510	371
Washington	-875	1,763	934	3,064	514	-539	3,223
West Virginia	-32,055	-14,007	30,268	36,277	53,957	-28,267	27,238
Wyoming	-2,133	-997	348	2,037	3,448	-2,719	2,677
AGA Regions							
Producing	-87,235	-35,949	55,017	27,076	153,986	-270,114	120,522
Eastern Consuming	-215,308	-67,439	217,813	252,359	419,150	-206,056	259,459
Western Consuming	-34,017	13,246	24,411	41,943	50,539	-49,929	55,973
Total	**-336,560**	**-90,142**	**297,241**	**321,378**	**623,676**	**-526,099**	**435,953**

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1999 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14

Table 14. Activities of Underground Natural Gas Storage Operators, by State, December 2000

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	1,349	2,539	-430	-24.2	286	371
Arkansas	24,191	8,715	4,314	13,029	-3,033	-41.3	0	2,077
California	388,370	246,825	118,266	365,090	-50,727	-30.0	7,982	14,813
Colorado	99,600	48,255	28,486	76,741	-7,589	-21.0	1,113	5,966
Illinois	898,565	669,369	172,041	841,410	-17,840	-9.4	6,606	56,485
Indiana	113,210	73,120	27,660	100,781	-3,482	-11.2	265	7,335
Iowa	273,200	198,700	31,185	229,885	-11,582	-27.1	1,040	23,565
Kansas	301,102	179,071	46,479	225,550	-32,517	-41.2	1,133	24,401
Kentucky	219,908	109,299	62,599	171,898	-28,131	-31.0	636	22,734
Louisiana	564,062	269,759	108,703	378,461	-98,814	-47.6	6,052	73,295
Maryland	62,000	46,677	8,186	54,864	-4,732	-36.6	8	5,250
Michigan	1,071,699	393,256	392,056	785,312	-102,886	-20.8	12,147	115,177
Minnesota	7,000	4,623	1,765	6,388	-418	-19.2	0	604
Mississippi	134,012	77,827	34,665	112,492	-3,085	-8.2	2,297	16,523
Missouri	31,274	21,600	9,167	30,767	-662	-6.7	44	1,155
Montana	371,510	167,344	24,494	191,838	-13,803	-36.0	401	5,568
Nebraska	39,469	28,616	2,193	30,809	-1,500	-40.6	7	1,130
New Mexico	96,600	29,766	7,112	36,878	-2,085	-22.7	1,513	1,931
New York	175,129	96,172	52,742	148,914	-794	-1.5	185	17,459
Ohio	575,384	350,678	92,525	443,203	-46,364	-33.4	256	61,026
Oklahoma	394,827	210,050	51,211	261,261	-84,085	-62.1	1,437	43,696
Oregon	11,623	6,834	6,928	13,762	-746	-9.7	11	1,486
Pennsylvania	684,842	352,425	242,986	595,411	-49,015	-16.8	3,280	99,121
Tennessee	1,200	340	534	874	-321	-37.6	0	0
Texas	701,226	255,492	131,448	386,940	-110,962	-45.8	13,354	81,024
Utah	121,980	64,601	22,330	86,932	-7,403	-24.9	280	11,209
Virginia	4,669	2,192	1,529	3,720	-179	-10.5	130	825
Washington	37,300	19,000	14,414	33,414	-1,094	-7.1	3,837	1,851
West Virginia	733,158	286,841	80,772	367,613	-38,485	-32.3	101	55,194
Wyoming	105,869	60,647	14,293	74,941	-7,991	-35.9	270	3,892
AGA Regions								
Producing	2,216,020	1,030,678	383,932	1,414,611	-334,581	-46.6	25,785	242,946
Eastern Consuming	4,886,987	2,630,476	1,177,524	3,808,000	-306,403	-20.6	24,991	466,830
Western Consuming	1,143,251	618,130	230,976	849,106	-89,770	-28.0	13,893	45,389
Total	**8,246,259**	**4,279,284**	**1,792,432**	**6,071,716**	**-730,754**	**-29.0**	**64,670**	**755,165**

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				November	October	September
Alabama	37,733	36,894	42,096	2,882	1,689	1,153
Alaska	13,966	15,168	13,434	1,748	1,454	927
Arizona	28,626	28,299	31,435	2,951	1,133	1,028
Arkansas	NA	31,208	33,640	NA	NA	NA
California	448,071	502,817	481,100	52,076	31,726	24,480
Colorado	95,509	96,986	96,027	10,867	5,548	2,717
Connecticut	35,636	33,554	30,887	3,824	2,280	992
Delaware	8,061	7,746	6,861	615	269	172
District of Columbia	12,472	12,432	11,686	1,037	537	365
Florida	12,975	12,225	12,975	992	826	698
Georgia	NA	80,167	92,349	NA	NA	4,473
Hawaii	490	482	491	42	41	41
Idaho	15,502	15,398	13,565	2,107	843	475
Illinois	367,451	371,735	345,822	55,887	21,831	12,372
Indiana	NA	128,795	120,091	15,546	NA	NA
Iowa	58,272	60,799	58,387	8,096	3,114	1,710
Kansas	58,140	59,106	61,450	5,608	2,472	1,546
Kentucky	49,754	48,430	46,256	8,301	2,804	1,452
Louisiana	NA	39,165	42,587	3,719	2,306	1,678
Maine	NA	807	778	NA	NA	NA
Maryland	68,519	64,183	58,833	7,983	3,747	2,026
Massachusetts	99,006	89,108	89,696	8,207	R7,646	R2,536
Michigan	296,880	303,240	277,373	31,180	17,230	9,109
Minnesota	NA	100,299	91,810	14,938	6,182	3,273
Mississippi	NA	21,248	22,292	1,704	NA	NA
Missouri	NA	97,507	96,906	9,442	NA	2,545
Montana	16,200	16,837	16,241	2,349	1,275	595
Nebraska	34,849	35,450	36,541	3,636	1,887	1,053
Nevada	25,336	24,375	25,688	3,228	1,399	1,023
New Hampshire	NA	5,830	5,528	NA	NA	NA
New Jersey	NA	186,509	171,567	18,949	10,068	NA
New Mexico	NA	29,285	28,577	NA	2,500	1,214
New York	NA	324,569	297,575	NA	NA	NA
North Carolina	52,315	45,941	45,051	6,086	2,498	1,072
North Dakota	NA	9,193	8,665	1,136	593	255
Ohio	268,090	271,682	253,193	29,887	15,638	7,550
Oklahoma	NA	53,940	59,008	4,823	2,252	NA
Oregon	32,958	33,173	28,862	3,572	1,889	982
Pennsylvania	NA	207,362	188,156	24,010	NA	NA
Rhode Island	16,167	14,865	14,578	1,262	722	506
South Carolina	23,040	21,870	22,612	2,032	1,011	536
South Dakota	9,988	10,138	9,977	1,375	601	277
Tennessee	NA	51,759	51,343	5,128	2,318	1,213
Texas	NA	153,171	171,152	NA	8,224	5,631
Utah	45,972	45,860	46,997	8,378	3,824	2,415
Vermont	2,467	2,271	2,166	210	124	72
Virginia	NA	58,614	54,120	8,033	NA	1,685
Washington	NA	61,959	53,947	2,115	NA	1,997
West Virginia	NA	27,208	25,690	2,181	1,375	600
Wisconsin	107,508	105,871	97,237	15,485	6,823	3,580
Wyoming	NA	10,539	11,066	1,283	736	387
Total	**4,035,269**	**4,066,066**	**3,904,363**	**453,330**	**230,062**	**R138,265**

See footnotes at end of table.

Table 15

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	1,126	1,218	1,351	2,267	3,391	4,694
Alaska	618	474	645	864	1,233	1,764
Arizona	956	1,053	1,245	1,596	2,814	4,430
Arkansas	NA	NA	NA	NA	NA	NA
California	22,101	24,464	27,655	31,747	39,017	62,814
Colorado	2,579	3,032	4,125	6,365	11,312	13,648
Connecticut	622	961	1,270	2,244	3,216	5,018
Delaware	187	246	294	655	985	1,178
District of Columbia	346	367	470	717	1,232	1,691
Florida	698	738	836	973	1,140	1,631
Georgia	4,045	3,865	NA	4,803	8,727	11,080
Hawaii	39	44	45	47	46	48
Idaho	343	430	621	892	1,663	2,210
Illinois	10,584	9,555	12,058	15,622	35,416	45,616
Indiana	2,922	2,935	3,693	6,240	12,785	16,174
Iowa	1,410	1,551	1,611	2,658	5,392	7,679
Kansas	1,280	1,697	1,917	3,099	5,994	8,529
Kentucky	1,238	1,078	1,131	1,424	4,135	6,224
Louisiana	NA	NA	1,798	1,986	3,693	4,355
Maine	NA	NA	NA	NA	89	123
Maryland	1,921	1,913	2,233	3,313	6,430	8,673
Massachusetts	R2,423	R2,764	R4,154	R7,480	R10,228	R13,787
Michigan	7,401	7,668	9,582	18,230	32,413	42,048
Minnesota	2,774	2,875	3,369	4,940	9,700	12,806
Mississippi	669	724	805	1,147	NA	2,481
Missouri	2,706	2,475	2,178	4,816	9,181	12,838
Montana	381	470	590	947	1,514	2,231
Nebraska	774	897	977	1,426	4,515	5,735
Nevada	909	1,009	1,184	1,568	2,027	3,711
New Hampshire	NA	249	293	451	641	938
New Jersey	NA	NA	6,198	11,007	17,683	25,174
New Mexico	983	NA	1,646	1,163	3,438	3,447
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,030	1,025	1,510	2,265	4,531	7,685
North Dakota	227	212	333	502	929	1,323
Ohio	6,712	7,200	7,670	13,488	27,892	37,454
Oklahoma	NA	1,586	1,821	2,683	5,193	7,170
Oregon	806	1,003	1,537	2,322	3,493	5,032
Pennsylvania	5,026	NA	NA	NA	NA	29,809
Rhode Island	451	482	715	1,279	1,812	2,581
South Carolina	468	494	576	1,140	1,917	2,877
South Dakota	243	248	333	573	1,059	1,360
Tennessee	1,102	1,208	NA	2,544	4,625	6,488
Texas	NA	NA	6,864	8,138	14,250	17,287
Utah	1,444	1,492	1,494	1,809	2,967	6,792
Vermont	62	70	110	179	268	396
Virginia	1,468	1,654	1,898	3,000	5,637	8,520
Washington	1,593	1,971	3,039	4,523	6,483	8,965
West Virginia	536	521	749	1,902	2,496	NA
Wisconsin	2,896	2,699	2,658	5,018	11,182	13,084
Wyoming	NA	304	407	658	1,227	1,441
Total	**R120,433**	**R128,547**	**R149,332**	**R225,181**	**R394,278**	**R545,694**

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	9,492	8,470	42,647	5,754	3,069	1,560
Alaska	1,885	2,354	17,634	2,466	2,127	1,423
Arizona	4,618	6,804	32,940	4,642	1,682	1,165
Arkansas	NA	NA	36,245	5,037	1,216	1,264
California	65,301	66,689	568,496	65,679	34,488	25,265
Colorado	16,327	18,989	111,748	14,763	8,173	5,565
Connecticut	7,692	7,516	38,364	4,810	3,064	1,522
Delaware	1,661	1,800	8,862	1,116	576	278
District of Columbia	3,013	2,698	14,147	1,714	1,029	484
Florida	2,360	2,084	13,797	1,572	1,020	731
Georgia	17,688	26,740	98,777	18,610	10,635	5,974
Hawaii	49	48	524	42	36	44
Idaho	2,602	3,317	17,912	2,514	1,530	869
Illinois	63,987	84,522	445,217	73,482	38,571	26,435
Indiana	25,965	30,851	151,529	22,735	11,571	7,273
Iowa	10,990	14,061	71,430	10,631	5,602	3,465
Kansas	12,303	13,693	68,146	9,040	3,997	2,658
Kentucky	8,287	13,682	59,220	10,790	5,413	2,631
Louisiana	7,622	8,400	45,104	5,940	2,935	1,958
Maine	133	202	957	151	93	69
Maryland	14,316	15,964	74,848	10,665	6,268	3,540
Massachusetts	R21,025	R18,756	105,709	16,601	9,964	5,925
Michigan	58,759	63,259	350,735	47,495	29,784	18,416
Minnesota	NA	NA	118,938	18,639	10,624	7,112
Mississippi	4,931	5,121	24,562	3,314	1,685	903
Missouri	17,895	21,157	112,042	14,535	6,882	4,174
Montana	2,729	3,119	19,676	2,840	1,983	1,335
Nebraska	6,728	7,223	40,588	5,137	2,733	2,128
Nevada	3,861	5,416	28,772	4,396	1,998	1,208
New Hampshire	1,274	1,229	6,613	783	549	325
New Jersey	37,760	37,980	209,399	22,890	18,160	10,322
New Mexico	4,437	5,183	35,548	6,263	4,083	2,280
New York	NA	NA	370,711	46,142	28,487	17,677
North Carolina	13,396	11,216	52,853	6,912	3,942	1,679
North Dakota	1,698	NA	10,573	1,380	869	657
Ohio	52,516	62,083	318,214	46,532	27,700	17,303
Oklahoma	11,476	11,008	61,611	7,670	3,185	2,108
Oregon	5,678	6,643	38,564	5,391	3,108	1,617
Pennsylvania	NA	48,155	241,468	34,106	19,812	12,407
Rhode Island	3,500	2,857	16,601	1,736	1,227	691
South Carolina	6,438	5,552	25,669	3,799	2,093	734
South Dakota	1,772	2,149	11,766	1,628	918	607
Tennessee	12,515	14,395	60,561	8,802	4,521	1,909
Texas	31,342	56,893	175,907	22,736	11,193	7,143
Utah	7,038	8,319	55,474	9,614	5,321	3,567
Vermont	510	465	2,565	293	212	123
Virginia	13,778	14,846	69,189	10,575	5,985	2,943
Washington	10,074	11,338	71,704	9,745	6,596	4,024
West Virginia	6,316	5,319	31,403	4,195	2,541	1,339
Wisconsin	18,644	25,439	127,607	21,737	11,440	7,969
Wyoming	1,666	1,661	12,106	1,568	903	717
Total	**R767,593**	**R882,553**	**4,725,672**	**659,606**	**371,595**	**233,508**

See footnotes at end of table.

Table 15

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	September	August	July	June	May	April
Alabama	1,185	1,126	1,259	1,357	1,873	3,892
Alaska	870	481	486	559	939	1,315
Arizona	1,006	963	1,065	1,354	2,108	3,374
Arkansas	925	951	998	1,030	1,640	3,730
California	24,496	23,376	25,727	32,960	40,605	62,128
Colorado	2,978	2,750	3,086	4,680	9,579	10,614
Connecticut	1,067	858	1,066	1,249	2,004	3,644
Delaware	169	168	202	254	498	991
District of Columbia	326	315	369	399	688	1,270
Florida	702	702	752	794	911	1,306
Georgia	3,794	2,349	2,216	1,677	1,902	5,469
Hawaii	41	41	45	43	44	46
Idaho	438	360	429	647	1,247	1,879
Illinois	12,552	9,091	9,971	11,128	15,872	31,267
Indiana	3,238	2,766	2,801	3,457	5,908	13,205
Iowa	1,830	1,231	1,823	1,595	3,078	5,533
Kansas	1,489	1,617	1,479	2,065	3,420	5,935
Kentucky	1,391	1,181	1,165	1,325	1,792	4,081
Louisiana	1,699	1,679	1,792	1,942	2,304	3,832
Maine	27	25	21	26	40	76
Maryland	1,960	1,740	1,905	2,182	3,316	6,158
Massachusetts	3,789	3,327	3,666	4,134	6,524	11,224
Michigan	7,868	6,458	6,936	10,455	16,163	31,738
Minnesota	3,367	2,522	2,243	3,103	4,966	8,559
Mississippi	733	705	772	798	1,040	2,264
Missouri	2,743	2,292	2,552	3,084	5,311	9,675
Montana	637	378	518	645	1,380	1,895
Nebraska	799	1,120	1,008	1,186	2,361	3,750
Nevada	953	921	940	1,233	1,843	2,704
New Hampshire	161	141	152	188	367	672
New Jersey	5,432	4,800	5,041	6,254	10,520	19,343
New Mexico	1,024	801	951	1,117	1,642	2,419
New York	9,962	8,705	9,890	14,898	18,880	35,080
North Carolina	1,034	921	1,062	1,312	2,597	5,325
North Dakota	296	191	225	259	615	965
Ohio	6,862	6,037	6,618	7,969	12,575	26,855
Oklahoma	1,463	1,445	1,659	1,925	3,083	6,234
Oregon	935	824	852	1,661	2,796	3,948
Pennsylvania	5,334	4,817	4,974	6,529	11,281	21,743
Rhode Island	445	399	448	557	949	1,702
South Carolina	487	448	491	569	1,193	2,223
South Dakota	300	224	274	324	629	1,140
Tennessee	1,539	1,167	1,070	1,428	1,809	4,777
Texas	6,126	5,569	6,286	7,070	8,745	15,422
Utah	2,285	1,484	2,254	1,648	2,663	5,267
Vermont	58	56	56	77	158	282
Virginia	1,497	1,407	1,521	1,602	2,726	5,129
Washington	1,953	1,750	1,958	3,059	4,654	6,858
West Virginia	681	505	527	657	1,398	2,957
Wisconsin	3,434	2,815	2,669	3,265	5,007	9,040
Wyoming	479	231	292	506	1,119	1,254
Total	**134,861**	**116,231**	**126,561**	**158,235**	**234,764**	**420,192**

R Revised Data.
NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				November	October	September
Alabama	21,533	24,377	23,290	1,845	1,380	1,087
Alaska	18,735	24,241	23,706	2,103	2,105	1,278
Arizona	28,626	27,838	28,400	2,424	2,035	1,929
Arkansas	NA	24,470	24,893	NA	NA	NA
California	216,608	224,149	250,615	23,524	16,991	17,718
Colorado	51,544	52,452	55,700	6,022	3,486	1,904
Connecticut	41,975	42,241	37,346	4,379	3,146	2,232
Delaware	4,454	5,470	4,961	424	236	58
District of Columbia	15,548	16,327	15,381	1,239	959	894
Florida	44,369	33,129	34,339	4,117	3,661	3,571
Georgia	NA	37,275	49,889	NA	NA	1,539
Hawaii	1,626	1,602	1,595	152	146	145
Idaho	11,164	10,946	10,037	1,410	687	502
Illinois	164,022	161,491	149,960	21,391	10,573	7,562
Indiana	NA	63,648	63,559	8,512	NA	NA
Iowa	37,231	38,484	37,022	4,893	2,290	1,503
Kansas	NA	34,401	37,197	NA	4,143	3,917
Kentucky	31,400	30,406	27,750	3,907	1,823	1,263
Louisiana	NA	21,912	21,818	2,069	1,688	1,491
Maine	NA	2,194	2,120	NA	NA	NA
Maryland	50,677	51,333	50,937	5,101	2,922	2,569
Massachusetts	51,690	59,070	83,458	4,477	R2,865	R3,251
Michigan	154,639	156,260	142,697	15,101	9,202	6,583
Minnesota	NA	75,286	69,693	10,487	5,033	3,219
Mississippi	NA	17,745	19,283	1,805	NA	NA
Missouri	53,166	55,424	54,817	5,128	R3,638	1,862
Montana	11,781	10,513	11,027	1,501	887	516
Nebraska	23,479	24,551	24,977	2,121	1,234	1,004
Nevada	22,563	20,010	20,749	2,395	1,744	1,473
New Hampshire	NA	6,313	5,998	NA	NA	NA
New Jersey	NA	147,634	127,886	15,977	4,875	NA
New Mexico	NA	23,432	23,081	NA	1,500	1,573
New York	NA	322,113	300,547	NA	NA	NA
North Carolina	36,861	33,614	32,581	3,985	2,197	1,698
North Dakota	NA	8,746	8,720	1,149	570	330
Ohio	152,450	145,157	134,700	15,617	8,767	5,450
Oklahoma	34,691	35,299	38,337	3,044	2,005	1,950
Oregon	24,763	25,218	22,367	2,451	1,713	1,147
Pennsylvania	NA	124,088	114,056	16,607	NA	NA
Rhode Island	11,392	10,787	10,139	1,012	675	484
South Carolina	18,831	18,169	17,902	1,773	1,332	1,161
South Dakota	NA	8,338	7,959	NA	482	293
Tennessee	NA	46,681	46,471	3,992	2,405	2,325
Texas	NA	151,227	149,645	14,437	11,190	11,622
Utah	26,060	25,442	26,021	4,323	1,989	1,301
Vermont	2,269	2,062	2,579	212	127	87
Virginia	NA	53,790	51,097	6,306	NA	2,663
Washington	NA	44,462	39,967	1,858	NA	2,152
West Virginia	24,123	23,918	22,023	2,292	1,697	1,270
Wisconsin	68,297	69,344	69,513	9,227	4,380	2,582
Wyoming	NA	8,623	8,592	NA	900	1,473
Total	**2,866,358**	**2,681,699**	**2,637,396**	**290,202**	**R187,660**	**R163,589**

See footnotes at end of table.

Table 16

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	1,038	1,097	1,202	1,472	1,989	2,485
Alaska	1,079	1,036	844	1,477	1,688	2,242
Arizona	1,894	1,988	2,144	2,327	2,877	3,496
Arkansas	NA	NA	NA	NA	NA	NA
California	17,134	16,242	15,268	17,080	19,106	23,659
Colorado	1,846	2,064	2,568	3,561	5,941	7,294
Connecticut	2,329	2,450	2,271	3,341	3,783	5,601
Delaware	186	196	229	354	502	453
District of Columbia	861	889	985	1,347	1,717	2,045
Florida	3,354	3,503	3,580	3,924	4,240	4,580
Georgia	1,381	1,359	NA	1,738	3,152	3,971
Hawaii	141	146	151	148	146	150
Idaho	414	451	545	672	1,120	1,486
Illinois	6,730	6,291	6,371	8,308	15,383	19,454
Indiana	2,519	2,427	2,740	3,641	6,486	8,474
Iowa	1,110	1,443	1,316	2,561	3,336	4,411
Kansas	3,966	4,017	3,903	4,409	5,658	7,180
Kentucky	1,074	1,089	1,181	1,529	2,569	3,778
Louisiana	NA	1,566	1,659	1,841	2,249	2,343
Maine	NA	NA	NA	NA	104	NA
Maryland	2,215	2,235	2,799	3,752	5,006	6,603
Massachusetts	R2,261	R2,464	R3,022	R4,259	R5,421	R6,920
Michigan	6,066	5,403	6,852	10,284	16,304	21,785
Minnesota	3,029	2,944	2,934	4,057	7,529	9,700
Mississippi	945	981	992	1,296	1,564	1,889
Missouri	2,024	2,131	2,305	3,115	4,659	7,275
Montana	413	478	547	773	1,124	1,540
Nebraska	960	963	1,325	1,536	2,418	3,288
Nevada	1,455	1,787	1,628	1,772	1,975	2,632
New Hampshire	NA	NA	328	483	728	NA
New Jersey	NA	9,244	8,210	7,078	18,072	26,757
New Mexico	1,132	1,299	1,965	1,892	1,576	3,042
New York	NA	NA	35,054	NA	NA	NA
North Carolina	1,553	1,531	1,900	1,926	2,972	4,856
North Dakota	329	275	358	517	1,069	1,191
Ohio	5,291	5,372	5,712	8,913	15,017	22,401
Oklahoma	1,771	1,942	1,424	2,346	3,357	4,453
Oregon	1,012	1,079	1,416	1,876	2,372	3,466
Pennsylvania	4,480	4,258	4,905	6,672	11,394	16,034
Rhode Island	452	448	548	738	1,321	1,539
South Carolina	1,101	1,111	1,168	1,356	1,644	2,047
South Dakota	254	287	334	528	716	1,344
Tennessee	1,861	1,828	NA	2,515	3,885	4,643
Texas	NA	NA	11,059	15,377	14,437	16,026
Utah	913	953	952	1,237	1,990	3,890
Vermont	82	81	102	161	227	337
Virginia	2,592	2,411	2,700	3,429	5,279	6,571
Washington	1,977	2,154	2,707	3,490	4,718	5,867
West Virginia	1,298	1,168	1,303	1,760	2,192	3,372
Wisconsin	2,525	2,177	2,395	3,675	6,681	8,525
Wyoming	NA	1,125	1,436	1,465	1,940	2,407
Total	**R161,099**	**R155,715**	**R158,663**	**R197,593**	**R266,238**	**R372,663**

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	4,156	3,783	27,586	3,204	2,395	1,972
Alaska	2,070	2,812	27,667	3,427	2,993	2,181
Arizona	3,414	4,098	31,369	3,463	2,307	1,890
Arkansas	NA	NA	27,898	3,428	1,614	1,271
California	23,459	26,427	248,028	20,552	17,441	14,529
Colorado	8,184	8,673	59,355	6,894	4,376	3,303
Connecticut	7,072	5,370	47,646	5,312	3,905	2,651
Delaware	874	942	6,121	649	396	310
District of Columbia	2,274	2,340	17,846	1,510	1,304	899
Florida	4,816	5,023	36,351	3,140	2,672	2,305
Georgia	6,448	8,848	43,593	6,306	3,754	2,206
Hawaii	149	153	1,749	147	145	144
Idaho	1,722	2,156	12,656	1,672	1,028	675
Illinois	27,375	34,585	188,567	27,028	15,092	11,931
Indiana	12,980	14,227	73,691	9,995	5,884	3,958
Iowa	6,245	8,123	44,895	6,411	3,276	2,576
Kansas	8,706	9,786	38,954	4,551	2,395	1,947
Kentucky	6,411	6,775	35,801	5,393	2,938	1,872
Louisiana	3,428	3,465	24,556	2,637	1,773	1,524
Maine	341	522	2,547	353	223	186
Maryland	8,382	9,093	58,159	6,770	4,634	3,361
Massachusetts	R9,672	R7,078	65,137	6,066	4,814	3,315
Michigan	26,708	30,349	179,383	23,091	14,641	9,794
Minnesota	12,925	NA	88,078	12,775	7,858	5,682
Mississippi	3,051	4,032	20,209	2,463	1,700	1,086
Missouri	10,534	10,494	63,107	7,676	3,894	2,752
Montana	1,850	2,152	12,094	1,575	1,100	727
Nebraska	4,106	4,524	27,586	3,034	1,798	1,166
Nevada	2,517	3,184	22,747	2,700	1,794	1,425
New Hampshire	1,270	1,317	7,214	901	614	403
New Jersey	34,181	31,016	163,760	16,125	13,873	8,601
New Mexico	3,255	3,847	27,271	3,671	2,291	1,569
New York	NA	NA	360,763	38,075	30,505	25,633
North Carolina	7,698	6,545	38,019	4,405	2,876	2,074
North Dakota	1,541	NA	10,026	1,276	814	622
Ohio	28,924	30,984	167,974	22,416	14,296	8,568
Oklahoma	6,517	5,882	39,739	4,267	2,442	1,989
Oregon	3,833	4,399	28,562	3,292	2,269	1,494
Pennsylvania	23,489	24,866	143,296	19,167	13,322	8,907
Rhode Island	2,137	2,037	11,815	1,017	1,308	650
South Carolina	3,190	2,948	20,569	2,398	1,682	1,230
South Dakota	1,367	1,617	9,567	1,226	735	521
Tennessee	8,850	10,255	52,581	5,891	3,944	2,926
Texas	21,581	27,066	171,715	20,487	13,814	11,172
Utah	3,901	4,611	30,490	4,919	2,723	1,872
Vermont	428	425	2,309	247	200	137
Virginia	9,058	9,381	61,542	7,710	5,157	3,633
Washington	6,617	7,050	50,846	6,272	4,287	3,246
West Virginia	3,862	3,907	27,306	3,383	2,380	1,803
Wisconsin	11,346	14,784	81,726	12,346	7,079	5,430
Wyoming	2,582	2,413	9,848	1,211	803	710
Total	**R442,135**	**R470,801**	**3,050,313**	**362,928**	**245,559**	**180,828**

See footnotes at end of table.

Table 16

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	September	August	July	June	May	April
Alabama	1,568	1,493	1,500	1,511	1,447	2,155
Alaska	1,517	1,309	1,211	1,324	1,756	1,960
Arizona	1,784	1,679	1,879	2,148	2,500	3,001
Arkansas	1,041	1,519	1,302	1,267	1,498	2,514
California	15,242	18,946	15,908	16,109	20,340	21,207
Colorado	2,274	2,304	2,278	2,962	4,911	5,514
Connecticut	2,559	2,457	2,549	2,605	3,221	3,741
Delaware	183	162	185	220	355	646
District of Columbia	865	844	853	944	1,253	1,982
Florida	2,426	2,269	2,291	2,806	2,974	3,530
Georgia	1,367	1,397	1,395	1,549	2,170	3,186
Hawaii	144	140	144	143	143	147
Idaho	458	420	425	520	852	1,232
Illinois	6,920	6,153	6,187	5,978	8,307	14,121
Indiana	2,479	2,123	1,626	2,592	3,106	6,204
Iowa	1,625	1,246	1,519	1,406	1,768	3,779
Kansas	1,820	1,905	1,628	1,427	2,061	3,144
Kentucky	1,190	1,168	1,012	1,216	1,694	2,575
Louisiana	1,321	1,496	1,431	1,500	1,637	2,159
Maine	84	79	77	82	112	199
Maryland	2,666	2,498	2,561	2,715	3,382	5,265
Massachusetts	2,443	2,622	2,243	5,006	5,215	9,484
Michigan	6,161	5,339	5,786	6,486	9,356	15,240
Minnesota	3,128	2,704	2,603	2,691	4,012	6,698
Mississippi	1,055	1,071	1,028	1,054	1,215	1,748
Missouri	2,368	2,035	3,013	2,427	3,214	5,187
Montana	426	346	422	492	902	1,153
Nebraska	1,071	787	1,080	1,128	1,617	2,320
Nevada	1,290	1,268	1,270	1,421	1,724	1,998
New Hampshire	227	204	196	221	381	658
New Jersey	6,507	5,648	6,320	6,643	8,462	15,095
New Mexico	1,306	1,188	1,070	1,226	2,059	2,282
New York	22,481	23,356	22,782	22,888	22,256	27,160
North Carolina	1,806	1,554	1,545	1,655	2,167	3,497
North Dakota	328	252	268	274	607	887
Ohio	4,740	4,670	4,649	5,476	7,808	15,192
Oklahoma	1,804	1,715	1,737	972	2,311	3,880
Oregon	1,098	990	1,134	1,470	2,064	2,714
Pennsylvania	5,184	4,705	4,397	5,083	6,806	12,823
Rhode Island	453	334	480	525	649	1,084
South Carolina	1,148	1,067	1,120	1,103	1,337	1,720
South Dakota	301	267	313	437	492	913
Tennessee	2,485	2,187	2,192	2,478	2,509	4,362
Texas	10,192	11,863	9,366	11,721	9,739	12,657
Utah	1,257	901	1,090	988	1,856	2,918
Vermont	77	74	63	87	135	218
Virginia	2,681	2,733	2,684	2,643	3,336	5,359
Washington	1,855	1,817	1,969	2,361	3,352	4,762
West Virginia	1,200	1,296	1,112	1,190	1,488	2,284
Wisconsin	2,699	2,522	2,269	2,381	3,158	6,376
Wyoming	351	189	338	475	902	1,000
Total	**137,655**	**137,312**	**132,502**	**144,024**	**176,618**	**259,928**

[R] Revised Data.
[NA] Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				November	October	September
Alabama	180,486	186,118	183,933	15,543	15,384	14,552
Alaska	71,495	67,332	69,508	5,386	5,724	5,030
Arizona	22,900	24,704	25,552	2,214	1,960	2,075
Arkansas	NA	131,781	134,776	10,684	NA	10,065
California	1,244,948	1,020,764	753,301	111,473	134,931	130,217
Colorado	84,032	73,264	78,776	7,715	6,985	7,189
Connecticut	30,658	28,476	29,660	2,933	2,261	2,371
Delaware	23,710	18,786	14,758	1,921	2,388	1,810
District of Columbia	0	0	0	0	0	0
Florida	129,208	129,173	116,517	11,278	10,647	10,741
Georgia	NA	146,246	151,244	NA	NA	3,627
Hawaii	493	421	0	47	46	40
Idaho [a]	29,523	30,812	31,669	2,799	2,864	2,491
Illinois	272,507	274,864	274,756	26,971	22,206	20,724
Indiana	282,733	288,946	262,620	25,843	24,340	22,899
Iowa	91,677	93,116	96,689	9,167	8,330	7,765
Kansas	NA	88,957	102,412	NA	7,535	11,791
Kentucky	84,787	84,934	84,715	8,153	7,117	6,928
Louisiana	1,001,538	797,112	834,262	103,509	99,601	92,327
Maine	NA	2,269	2,093	NA	NA	NA
Maryland	41,432	38,033	34,967	4,023	3,873	3,668
Massachusetts	127,812	142,116	113,086	11,307	R11,709	R8,744
Michigan	272,508	271,075	256,838	23,396	20,906	19,853
Minnesota	92,201	94,496	95,288	9,281	7,329	8,599
Mississippi	NA	109,035	71,829	8,951	NA	NA
Missouri	NA	57,221	58,880	6,138	NA	3,438
Montana	18,748	20,715	19,156	1,713	1,421	1,350
Nebraska	39,618	42,980	49,928	3,124	2,699	5,555
Nevada	41,847	30,798	25,659	4,380	4,768	4,387
New Hampshire	NA	5,499	5,394	NA	NA	NA
New Jersey	NA	188,415	186,168	14,895	9,895	NA
New Mexico	NA	23,140	22,809	NA	2,366	2,678
New York	NA	271,409	234,855	NA	28,870	32,791
North Carolina	105,741	96,925	97,635	9,503	8,986	7,996
North Dakota	14,188	16,143	18,708	1,216	1,474	1,209
Ohio	296,102	299,837	301,628	27,876	24,705	22,828
Oklahoma	NA	164,241	185,051	14,698	12,732	NA
Oregon	99,657	97,389	93,512	9,321	10,616	8,621
Pennsylvania	NA	218,355	210,119	22,179	NA	17,958
Rhode Island	41,177	50,333	38,798	4,109	3,894	2,165
South Carolina	90,522	93,282	93,351	8,208	7,672	7,041
South Dakota	5,664	4,600	5,035	771	408	605
Tennessee	128,008	133,470	131,457	12,516	12,939	11,181
Texas	NA	1,750,526	1,813,750	NA	142,089	142,883
Utah	37,045	37,014	41,662	3,357	3,207	2,825
Vermont	3,721	2,563	1,903	403	384	370
Virginia	NA	86,121	85,234	6,881	R5,634	6,806
Washington	NA	112,319	121,145	10,956	NA	13,607
West Virginia	38,080	40,488	45,664	3,236	3,250	3,405
Wisconsin	139,095	130,547	127,084	14,391	11,899	10,487
Wyoming	NA	34,939	49,617	2,013	2,124	1,729
Total	**8,522,214**	**8,152,099**	**7,883,454**	**803,855**	**R765,220**	**R730,472**

See footnotes at end of table.

Table 17

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	15,710	15,230	16,075	17,293	16,866	18,233
Alaska	9,259	7,262	6,129	5,172	6,766	7,192
Arizona	2,086	2,240	2,122	2,183	1,690	2,173
Arkansas	NA	NA	NA	NA	NA	12,544
California	154,946	133,321	122,049	107,156	82,233	86,700
Colorado	6,841	6,807	7,519	6,508	8,403	8,225
Connecticut	3,074	2,082	2,414	2,135	2,851	3,619
Delaware	1,568	1,691	2,072	2,315	2,561	2,675
District of Columbia	0	0	0	0	0	0
Florida	12,048	11,615	11,690	12,631	12,521	12,666
Georgia	5,556	3,978	NA	4,310	3,678	4,028
Hawaii	42	46	46	47	44	46
Idaho [a]	2,220	2,357	2,532	2,656	2,681	2,904
Illinois	20,304	19,658	20,306	22,174	24,982	29,119
Indiana	23,643	22,262	23,192	24,205	25,123	28,207
Iowa	7,425	6,782	7,808	7,124	8,386	8,914
Kansas	13,398	12,270	10,660	9,466	8,715	9,141
Kentucky	6,737	6,438	6,704	6,870	8,372	8,359
Louisiana	107,977	82,213	78,026	87,937	82,322	87,213
Maine	NA	NA	NA	NA	335	315
Maryland	3,914	3,936	3,643	3,669	3,533	3,956
Massachusetts	R11,044	R11,281	R10,706	R12,314	R12,029	R13,666
Michigan	19,628	19,381	21,784	25,697	28,316	31,364
Minnesota	6,905	6,447	9,876	4,967	8,500	8,894
Mississippi	6,916	7,709	7,846	9,219	9,977	10,496
Missouri	3,277	5,023	5,373	5,155	5,468	6,620
Montana	1,136	1,210	1,498	1,460	2,040	2,223
Nebraska	2,902	5,701	3,569	2,766	3,148	3,343
Nevada	4,741	3,178	3,555	4,344	3,906	2,904
New Hampshire	NA	NA	NA	NA	446	NA
New Jersey	NA	NA	16,243	17,237	16,281	16,889
New Mexico	2,678	2,289	2,136	2,014	2,131	2,701
New York	NA	25,917	26,934	27,880	NA	NA
North Carolina	8,796	8,298	8,644	9,567	9,329	11,298
North Dakota	1,228	578	1,960	1,010	1,918	1,242
Ohio	22,658	22,456	23,092	25,314	28,145	30,732
Oklahoma	11,290	11,998	14,458	10,861	11,414	11,245
Oregon	8,363	8,215	8,263	8,195	9,181	9,176
Pennsylvania	18,668	18,841	19,655	18,868	22,194	25,628
Rhode Island	2,276	3,166	2,866	3,489	4,147	4,005
South Carolina	7,992	7,562	7,262	8,814	9,128	9,720
South Dakota	735	561	497	341	391	410
Tennessee	11,399	10,871	10,700	10,810	11,721	11,373
Texas	NA	NA	182,767	184,646	174,529	136,980
Utah	3,013	3,042	3,037	3,657	3,614	3,861
Vermont	310	321	331	303	353	350
Virginia	6,795	8,866	8,687	7,079	NA	7,136
Washington	13,817	11,939	6,808	10,201	9,417	11,412
West Virginia	3,451	3,069	3,290	3,713	3,484	2,884
Wisconsin	10,438	9,405	9,914	10,637	13,077	14,675
Wyoming	NA	1,529	1,925	3,243	3,878	3,431
Total	**R825,625**	**R747,657**	**R760,706**	**R769,273**	**R765,422**	**R768,484**

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	17,653	17,947	204,263	18,145	17,486	17,306
Alaska	6,390	7,185	74,224	6,892	6,851	6,597
Arizona	2,076	2,081	27,032	2,328	2,060	1,944
Arkansas	12,708	NA	145,140	13,359	12,449	12,318
California	86,174	95,749	1,109,359	88,595	100,462	126,462
Colorado	9,012	8,828	80,747	7,483	7,422	5,609
Connecticut	3,437	3,481	32,039	3,562	3,190	2,668
Delaware	2,254	2,455	21,075	2,289	1,768	1,860
District of Columbia	0	0	0	0	0	0
Florida	11,187	12,183	140,740	11,568	11,406	12,052
Georgia	4,494	4,600	159,851	13,605	9,383	8,662
Hawaii	45	44	463	42	42	39
Idaho [a]	2,883	3,135	33,846	3,034	2,822	2,942
Illinois	31,511	34,552	306,110	31,246	26,662	24,469
Indiana	29,449	33,569	319,890	30,943	26,729	27,481
Iowa	9,865	10,110	101,940	8,824	8,702	8,225
Kansas	9,069	10,494	97,469	8,512	6,304	5,757
Kentucky	9,248	9,863	93,814	8,881	8,346	8,005
Louisiana	85,238	95,174	875,878	78,766	74,101	75,316
Maine	356	327	2,550	281	214	279
Maryland	3,448	3,767	42,190	4,157	3,485	3,688
Massachusetts	[R]16,399	[R]8,612	157,579	15,463	12,796	11,722
Michigan	30,858	31,324	301,326	30,250	29,053	22,804
Minnesota	10,977	10,425	104,187	9,692	7,866	7,781
Mississippi	10,107	9,108	120,201	11,166	10,477	10,156
Missouri	6,938	6,565	64,856	7,635	6,558	5,076
Montana	2,555	2,142	23,036	2,321	2,034	1,645
Nebraska	3,438	3,373	45,750	2,770	2,740	4,048
Nevada	2,878	2,805	34,075	3,276	2,719	2,894
New Hampshire	421	453	5,912	413	376	589
New Jersey	18,009	18,181	206,898	18,483	17,039	16,828
New Mexico	1,929	2,161	26,430	3,290	2,049	1,742
New York	28,916	24,539	296,358	24,949	24,765	22,822
North Carolina	10,971	12,354	108,835	11,910	9,429	7,922
North Dakota	1,186	1,169	17,561	1,418	1,504	1,316
Ohio	32,879	35,417	330,931	31,093	28,540	26,956
Oklahoma	12,467	12,621	177,811	13,570	13,834	12,916
Oregon	9,451	10,256	107,984	10,596	10,610	9,399
Pennsylvania	25,178	24,411	240,622	22,267	20,355	18,547
Rhode Island	4,993	6,068	55,517	5,183	4,712	4,285
South Carolina	8,630	8,493	102,681	9,398	9,250	8,979
South Dakota	474	471	5,043	443	446	466
Tennessee	12,515	11,982	144,639	11,169	11,191	12,449
Texas	164,715	121,072	1,952,400	201,874	183,878	178,431
Utah	3,661	3,771	40,859	3,844	3,615	3,569
Vermont	357	240	2,901	337	281	269
Virginia	9,755	7,194	101,368	15,247	6,036	5,951
Washington	11,367	12,715	126,799	14,480	11,950	14,843
West Virginia	4,016	4,282	44,857	4,370	3,842	3,763
Wisconsin	16,048	18,124	146,428	15,881	12,576	12,327
Wyoming	3,966	3,775	38,475	3,536	4,173	2,990
Total	**[R]802,551**	**[R]782,948**	**9,000,936**	**848,837**	**784,578**	**785,169**

See footnotes at end of table.

Table 17

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	September	August	July	June	May	April
Alabama	16,369	16,836	16,613	15,815	15,861	16,970
Alaska	4,720	4,766	6,906	5,901	6,294	6,220
Arizona	2,163	2,337	2,405	1,959	2,393	2,548
Arkansas	11,766	12,364	10,938	11,792	11,386	11,686
California	116,319	112,762	106,641	84,352	79,127	72,281
Colorado	6,686	7,095	6,518	6,012	6,642	8,355
Connecticut	2,286	2,319	2,252	2,038	2,427	2,497
Delaware	1,752	1,377	1,423	1,441	1,771	1,746
District of Columbia	0	0	0	0	0	0
Florida	10,958	12,557	12,219	11,499	11,727	12,377
Georgia	10,307	7,383	9,348	11,799	11,917	12,827
Hawaii	39	41	40	43	35	38
Idaho [a]	2,736	2,174	2,451	2,529	2,887	3,169
Illinois	21,587	21,315	21,224	20,823	21,043	25,348
Indiana	24,211	23,515	23,414	23,285	23,740	25,939
Iowa	7,503	7,342	7,115	6,903	8,234	8,481
Kansas	7,936	10,909	9,566	7,776	7,537	7,943
Kentucky	7,002	6,739	6,449	6,553	7,143	7,669
Louisiana	68,542	71,058	72,645	72,553	73,478	71,764
Maine	203	210	191	191	207	165
Maryland	3,352	3,546	3,353	2,911	3,212	3,285
Massachusetts	12,815	13,848	13,291	11,393	12,331	13,982
Michigan	20,012	19,390	20,937	21,376	23,826	25,926
Minnesota	7,065	9,142	7,595	7,437	7,409	8,485
Mississippi	9,164	9,181	9,403	9,540	10,033	9,987
Missouri	4,768	4,895	4,828	4,883	4,713	5,492
Montana	1,302	1,323	1,290	1,690	1,963	2,115
Nebraska	4,540	4,507	6,275	3,027	2,823	3,343
Nevada	2,867	2,814	2,569	2,640	2,885	2,703
New Hampshire	480	497	470	471	523	578
New Jersey	15,629	12,124	15,714	15,851	16,288	18,427
New Mexico	1,836	2,235	2,110	2,254	2,230	2,297
New York	23,482	26,782	24,756	20,114	26,776	24,085
North Carolina	8,309	9,414	8,979	8,390	8,284	8,198
North Dakota	1,321	1,152	1,171	1,282	1,380	1,498
Ohio	24,373	23,720	22,812	23,079	24,848	28,408
Oklahoma	15,752	14,202	14,507	15,461	14,105	16,405
Oregon	8,295	8,567	8,001	7,854	8,209	8,915
Pennsylvania	17,773	18,510	18,160	17,754	18,322	20,556
Rhode Island	3,945	4,260	4,715	4,867	5,420	5,089
South Carolina	8,089	7,940	7,798	7,716	8,152	8,494
South Dakota	306	437	419	283	347	447
Tennessee	13,255	10,998	12,447	10,846	11,652	11,784
Texas	199,757	177,095	132,753	144,748	145,081	143,072
Utah	3,182	3,171	3,191	2,339	3,412	3,799
Vermont	188	180	178	161	197	250
Virginia	8,304	11,052	10,412	8,658	7,818	8,428
Washington	10,774	10,106	9,052	7,541	8,311	9,897
West Virginia	3,508	3,675	3,419	3,303	3,513	3,558
Wisconsin	10,188	9,485	9,062	9,128	9,933	11,875
Wyoming	4,570	2,941	3,125	2,377	2,398	3,149
Total	**772,288**	**750,291**	**701,149**	**672,639**	**690,245**	**712,548**

[a] Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

[R] Revised Data.

[NA] Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				November	October	September
Alabama	32,479	20,244	24,758	2,792	1,733	3,127
Alaska	32,116	27,142	25,826	3,201	3,117	2,886
Arizona	82,973	47,592	34,936	9,163	8,457	10,494
Arkansas	32,840	38,105	40,209	1,239	550	2,348
California	119,530	137,493	253,414	9,808	10,133	13,645
Colorado	29,717	17,990	9,709	2,838	2,765	3,200
Connecticut	6,576	12,547	10,596	597	598	598
Delaware	4,321	19,380	10,224	5	1	13
District of Columbia	0	0	0	0	0	0
Florida	300,709	294,289	263,679	17,851	23,060	27,766
Georgia	21,368	20,363	22,111	327	467	1,942
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	3,724	39,887	54,868	220	183	395
Indiana	5,821	7,410	8,859	285	634	1,206
Iowa	4,407	5,008	5,803	251	248	479
Kansas	31,862	34,838	35,217	1,212	1,307	3,627
Kentucky	3,545	5,367	5,624	359	195	133
Louisiana	273,642	302,992	300,050	17,428	20,574	27,583
Maine	0	0	0	0	0	0
Maryland	20,528	15,990	11,805	1,863	1,596	1,309
Massachusetts	3,347	8,033	17,702	213	262	181
Michigan	39,258	48,053	44,872	3,296	2,923	2,784
Minnesota	5,250	6,446	7,618	352	305	282
Mississippi	84,569	92,700	72,236	3,904	3,761	6,219
Missouri	28,853	18,846	15,520	640	1,386	3,420
Montana	167	279	486	8	0	5
Nebraska	5,105	4,506	4,938	313	404	577
Nevada	72,491	59,055	55,576	7,332	8,097	7,972
New Hampshire	781	438	149	0	0	0
New Jersey	16,856	31,583	30,204	26	34	100
New Mexico	36,093	32,898	36,158	1,593	2,407	2,990
New York	92,281	172,813	197,437	4,997	6,024	6,758
North Carolina	9,556	10,567	12,382	210	204	736
North Dakota	0	0	0	0	0	0
Ohio	6,555	10,679	7,313	324	293	341
Oklahoma	157,165	160,538	161,511	8,346	10,235	18,096
Oregon	35,660	20,908	25,874	4,115	4,319	4,052
Pennsylvania	2,862	9,947	6,533	192	206	187
Rhode Island	0	0	15,589	0	0	0
South Carolina	2,794	5,070	5,851	55	31	75
South Dakota	3,290	2,433	2,677	411	235	459
Tennessee	1,810	3,431	6,213	43	0	15
Texas	1,170,070	1,142,821	1,170,709	67,617	88,321	119,324
Utah	9,995	5,954	5,452	1,119	1,147	940
Vermont	1,003	246	184	115	127	112
Virginia	15,648	22,352	19,630	433	520	563
Washington	28,646	6,435	12,717	3,569	4,884	4,609
West Virginia	391	344	392	26	41	74
Wisconsin	10,573	13,389	15,619	657	426	685
Wyoming	1,773	152	267	149	399	236
Total	**2,849,000**	**2,937,551**	**3,069,496**	**179,496**	**212,610**	**282,544**

See footnotes at end of table.

Table 18

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	7,432	6,270	4,342	3,697	1,398	237
Alaska	2,831	2,806	2,707	2,834	2,681	2,904
Arizona	14,115	11,503	8,942	6,878	3,960	2,670
Arkansas	5,043	4,640	3,984	3,892	3,253	3,810
California	17,694	15,331	13,769	9,891	5,470	8,102
Colorado	4,289	3,724	2,826	2,685	1,176	2,021
Connecticut	598	598	598	598	598	598
Delaware	27	17	1,127	1,304	485	315
District of Columbia	0	0	0	0	0	0
Florida	32,200	32,241	28,450	31,538	27,815	29,230
Georgia	5,019	6,027	3,623	3,438	240	153
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	711	728	374	506	229	82
Indiana	999	696	240	480	298	158
Iowa	959	619	321	571	236	215
Kansas	8,834	5,948	2,143	2,691	2,052	1,150
Kentucky	464	307	416	765	116	107
Louisiana	40,304	34,832	29,545	28,267	19,328	20,829
Maine	0	0	0	0	0	0
Maryland	3,031	2,149	4,184	2,596	1,963	1,062
Massachusetts	538	298	364	475	455	304
Michigan	5,482	2,636	4,174	4,703	3,213	2,554
Minnesota	1,376	830	645	461	280	209
Mississippi	11,721	11,426	9,800	10,438	6,023	5,942
Missouri	8,265	4,512	2,472	2,881	1,515	1,045
Montana	55	32	19	8	0	8
Nebraska	1,496	910	470	462	175	73
Nevada	9,609	7,704	7,460	5,828	4,780	4,700
New Hampshire	0	0	0	2	187	413
New Jersey	2,619	2,686	4,151	3,324	1,969	963
New Mexico	4,911	4,568	3,211	3,542	3,381	3,539
New York	8,745	13,136	11,296	10,594	9,049	9,157
North Carolina	2,271	1,827	2,500	1,607	27	37
North Dakota	0	0	0	0	0	0
Ohio	1,237	605	628	1,144	610	667
Oklahoma	26,706	22,195	14,792	16,320	14,108	10,675
Oregon	4,417	4,787	3,057	1,641	562	2,610
Pennsylvania	382	213	262	285	270	268
Rhode Island	0	0	0	0	0	0
South Carolina	650	548	719	571	68	27
South Dakota	809	566	420	209	27	56
Tennessee	184	414	235	484	9	18
Texas	162,320	155,147	124,051	134,690	92,994	86,800
Utah	1,308	1,172	1,344	908	712	645
Vermont	160	130	167	88	62	14
Virginia	2,076	1,832	1,681	1,923	1,497	1,947
Washington	5,162	3,991	3,662	2,290	80	1
West Virginia	45	26	61	14	24	33
Wisconsin	1,787	1,219	669	1,754	837	707
Wyoming	263	317	355	14	6	9
Total	**409,144**	**372,162**	**306,255**	**309,290**	**214,217**	**207,068**

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	434	1,017	20,918	675	890	557
Alaska	2,782	3,367	30,529	3,388	2,838	2,633
Arizona	3,126	3,665	50,875	3,284	3,338	6,404
Arkansas	3,374	706	40,088	1,983	2,045	1,590
California	7,506	8,180	144,655	7,162	7,491	14,572
Colorado	2,227	1,968	19,155	1,165	1,111	1,824
Connecticut	597	597	13,095	548	1,162	1,322
Delaware	381	646	19,878	498	337	1,352
District of Columbia	0	0	0	0	0	0
Florida	24,232	26,327	319,274	24,985	25,438	30,914
Georgia	67	65	20,537	174	457	693
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	78	218	40,716	828	1,838	1,618
Indiana	310	514	7,655	245	157	142
Iowa	232	275	5,249	241	314	304
Kansas	1,465	1,432	35,889	1,051	738	1,128
Kentucky	161	523	5,590	223	263	188
Louisiana	14,276	20,676	320,328	17,336	16,696	21,366
Maine	0	0	0	0	0	0
Maryland	259	517	16,399	409	346	1,340
Massachusetts	160	98	8,141	107	396	360
Michigan	3,418	4,073	51,122	3,069	3,198	3,869
Minnesota	190	320	6,595	149	254	106
Mississippi	6,190	9,144	101,623	8,923	5,721	6,732
Missouri	1,232	1,484	19,427	581	451	521
Montana	5	25	289	10	14	7
Nebraska	113	111	4,555	49	102	134
Nevada	3,848	5,162	65,105	6,050	4,561	5,620
New Hampshire	57	121	572	134	22	0
New Jersey	533	450	32,650	1,067	1,107	1,281
New Mexico	3,027	2,923	35,581	2,682	2,185	3,055
New York	6,938	5,589	181,823	9,010	11,263	12,001
North Carolina	54	83	10,584	17	50	104
North Dakota	0	0	0	0	0	0
Ohio	253	454	11,105	426	179	345
Oklahoma	6,783	8,911	169,845	9,307	8,189	10,788
Oregon	2,942	3,157	23,292	2,383	2,966	4,555
Pennsylvania	221	375	10,376	429	265	454
Rhode Island	0	0	0	0	0	0
South Carolina	15	35	5,118	48	77	17
South Dakota	15	82	2,527	94	23	69
Tennessee	117	291	3,460	29	32	0
Texas	65,922	72,884	1,207,293	64,472	63,481	96,710
Utah	327	375	6,478	524	398	1,120
Vermont	23	5	250	3	3	1
Virginia	1,327	1,850	23,457	1,106	928	652
Washington	69	329	6,693	258	467	3,029
West Virginia	32	15	385	42	37	46
Wisconsin	1,088	743	14,077	688	573	475
Wyoming	13	11	167	15	10	8
Total	**166,419**	**189,794**	**3,113,420**	**175,868**	**172,410**	**240,005**

See footnotes at end of table.

Table 18

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	September	August	July	June	May	April
Alabama	1,867	5,668	4,720	1,943	1,294	1,253
Alaska	2,216	2,276	2,545	2,200	2,305	2,298
Arizona	4,701	6,664	6,134	5,296	4,293	4,500
Arkansas	3,115	7,965	7,128	5,635	4,011	2,599
California	9,509	12,194	11,691	9,160	8,646	15,405
Colorado	934	3,334	2,527	2,119	1,793	1,917
Connecticut	1,663	2,039	3,004	1,803	1,316	84
Delaware	1,570	3,289	3,804	2,537	2,059	676
District of Columbia	0	0	0	0	0	0
Florida	34,366	34,313	33,893	29,613	29,635	28,315
Georgia	1,936	6,492	4,356	1,729	1,381	3,062
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,741	3,916	11,012	4,863	2,700	5,381
Indiana	312	1,237	2,687	1,195	249	411
Iowa	430	688	1,547	619	266	334
Kansas	1,950	7,995	8,418	3,501	2,769	3,700
Kentucky	464	1,154	1,808	481	201	189
Louisiana	32,450	42,938	38,329	34,792	29,654	25,380
Maine	0	0	0	0	0	0
Maryland	1,102	2,816	5,844	1,819	476	1,378
Massachusetts	817	685	1,488	1,621	1,431	697
Michigan	3,700	4,609	7,574	5,194	5,212	4,048
Minnesota	208	868	2,071	788	713	475
Mississippi	7,528	14,254	14,102	9,852	9,544	10,121
Missouri	1,149	5,351	5,746	1,995	638	1,677
Montana	8	28	112	33	6	9
Nebraska	236	742	1,839	725	196	335
Nevada	6,447	6,654	6,818	5,842	5,657	4,828
New Hampshire	161	98	67	25	16	0
New Jersey	3,194	6,191	11,553	3,450	2,080	661
New Mexico	3,402	4,633	3,945	2,731	2,037	3,131
New York	14,136	19,777	26,269	22,549	23,209	14,151
North Carolina	627	3,579	4,274	1,241	147	475
North Dakota	0	0	0	0	0	0
Ohio	542	1,536	3,241	1,436	712	1,119
Oklahoma	13,930	26,713	24,842	18,379	13,894	13,166
Oregon	3,117	2,008	1,573	877	2,037	1,072
Pennsylvania	568	1,896	3,246	2,079	467	286
Rhode Island	0	0	0	0	0	0
South Carolina	166	1,855	2,296	390	76	110
South Dakota	79	425	646	214	215	280
Tennessee	175	1,217	1,210	597	58	142
Texas	117,682	177,899	152,607	127,699	104,517	97,362
Utah	494	680	754	691	192	395
Vermont	91	133	0	2	1	2
Virginia	1,701	3,353	4,063	1,888	2,235	1,818
Washington	1,274	434	51	39	561	504
West Virginia	23	17	25	32	48	29
Wisconsin	862	1,775	4,038	1,897	1,435	555
Wyoming	7	5	8	68	6	4
Total	**282,646**	**432,394**	**433,905**	**321,639**	**270,391**	**254,334**

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

Notes: Geographic coverage is the 50 States and the District of Columbia.

See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				November	October	September
Alabama	272,231	267,632	274,077	23,062	20,185	19,920
Alaska	136,312	133,883	132,475	12,438	12,400	10,121
Arizona	163,125	128,432	120,323	16,752	13,584	15,525
Arkansas	NA	225,563	233,518	NA	NA	NA
California	2,029,157	1,885,222	1,738,429	196,881	193,782	186,059
Colorado	260,802	240,691	240,212	27,442	18,784	15,010
Connecticut	114,844	116,819	108,490	11,733	8,285	6,193
Delaware	40,546	51,383	36,803	2,964	2,895	2,052
District of Columbia	28,021	28,759	27,067	2,276	1,495	1,258
Florida	487,261	468,815	427,510	34,237	38,195	42,776
Georgia	NA	284,050	315,594	NA	NA	11,581
Hawaii	2,609	2,505	2,086	240	233	227
Idaho	56,190	57,156	55,270	6,316	4,393	3,468
Illinois	807,704	847,977	825,405	104,469	54,793	41,054
Indiana	NA	488,799	455,130	50,186	NA	NA
Iowa	191,587	197,406	197,901	22,406	13,982	11,457
Kansas	NA	217,303	236,276	NA	15,458	20,881
Kentucky	169,487	169,137	164,345	20,719	11,938	9,776
Louisiana	NA	1,161,180	1,198,717	126,725	124,169	123,079
Maine	NA	5,270	4,990	NA	NA	NA
Maryland	181,155	169,539	156,542	18,971	12,138	9,571
Massachusetts	281,855	298,327	303,941	24,203	R22,482	R14,713
Michigan	763,285	778,628	721,780	72,973	50,262	38,330
Minnesota	NA	276,526	264,410	35,058	18,849	15,374
Mississippi	NA	240,728	185,641	16,363	NA	NA
Missouri	228,806	228,998	226,123	21,348	R12,580	11,266
Montana	46,896	48,343	46,910	5,572	3,582	2,466
Nebraska	103,051	107,487	116,384	9,195	6,224	8,189
Nevada	162,237	134,239	127,672	17,335	16,008	14,855
New Hampshire	NA	18,079	17,070	NA	NA	NA
New Jersey	NA	554,141	515,825	49,846	24,872	NA
New Mexico	NA	108,755	110,625	NA	8,773	8,456
New York	NA	1,090,904	1,030,414	NA	NA	NA
North Carolina	204,473	187,047	187,649	19,784	13,884	11,502
North Dakota	NA	34,082	36,093	3,502	2,637	1,794
Ohio	723,197	727,355	696,833	73,705	49,402	36,170
Oklahoma	365,998	414,018	443,908	30,911	27,224	22,191
Oregon	193,039	176,688	170,615	19,458	18,537	14,803
Pennsylvania	NA	559,753	518,864	62,989	NA	NA
Rhode Island	68,737	75,985	79,104	6,383	5,291	3,154
South Carolina	135,187	138,391	139,717	12,069	10,047	8,813
South Dakota	NA	25,508	25,647	NA	1,726	1,634
Tennessee	227,377	235,341	235,484	21,679	17,662	14,734
Texas	NA	3,197,745	3,305,257	NA	249,824	279,461
Utah	119,072	114,269	120,133	17,178	10,166	7,481
Vermont	9,460	7,143	6,831	941	761	641
Virginia	NA	220,876	210,081	21,652	R13,018	11,717
Washington	NA	225,176	227,775	18,498	NA	22,365
West Virginia	NA	91,957	93,769	7,736	6,363	5,349
Wisconsin	325,473	319,150	309,453	39,760	23,529	17,335
Wyoming	NA	54,253	69,541	NA	4,158	3,825
Total	**18,272,841**	**17,837,416**	**17,494,710**	**1,726,883**	**R1,395,552**	**R1,314,870**

See footnotes at end of table.

Table 19

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	25,307	23,816	22,970	24,728	23,644	25,649
Alaska	13,787	11,579	10,325	10,346	12,369	14,102
Arizona	19,050	16,784	14,452	12,984	11,342	12,768
Arkansas	NA	14,941	15,351	17,049	19,058	22,575
California	211,875	189,357	178,742	165,873	145,827	181,275
Colorado	15,555	15,627	17,038	19,119	26,831	31,189
Connecticut	6,623	6,092	6,554	8,318	10,447	14,836
Delaware	1,969	2,150	3,722	4,628	4,533	4,621
District of Columbia	1,207	1,256	1,455	2,064	2,948	3,735
Florida	48,301	48,098	44,555	49,065	45,716	48,108
Georgia	16,001	15,229	NA	14,289	15,798	19,232
Hawaii	221	235	242	243	235	245
Idaho	2,977	3,239	3,698	4,220	5,464	6,600
Illinois	38,330	36,231	39,109	46,610	76,010	94,271
Indiana	30,082	NA	29,866	34,567	44,692	53,013
Iowa	10,904	10,395	11,057	12,914	17,350	21,220
Kansas	27,479	23,933	18,624	19,666	22,418	26,001
Kentucky	9,513	8,912	9,432	10,588	15,191	18,467
Louisiana	NA	NA	111,028	120,032	107,592	114,740
Maine	NA	NA	NA	NA	529	NA
Maryland	11,081	10,233	12,858	13,329	16,931	20,295
Massachusetts	R16,266	R16,807	R18,247	R24,527	R28,133	R34,677
Michigan	38,576	35,088	42,393	58,915	80,247	97,752
Minnesota	14,084	13,097	16,824	14,425	26,009	31,609
Mississippi	20,250	20,841	19,443	22,100	19,341	20,807
Missouri	16,273	14,142	12,329	15,968	20,823	27,777
Montana	1,986	2,190	2,655	3,188	4,678	6,002
Nebraska	6,131	8,471	6,341	6,189	10,256	12,440
Nevada	16,714	13,678	13,828	13,512	12,688	13,948
New Hampshire	NA	NA	977	1,371	2,002	NA
New Jersey	NA	36,429	34,803	38,646	54,005	69,783
New Mexico	9,705	NA	8,958	8,611	10,526	12,729
New York	NA	NA	NA	NA	NA	NA
North Carolina	13,649	12,682	14,554	15,365	16,859	23,876
North Dakota	1,784	1,065	2,651	2,029	3,916	3,756
Ohio	35,898	35,633	37,102	48,858	71,664	91,255
Oklahoma	39,967	37,721	32,495	32,209	34,072	33,544
Oregon	14,597	15,085	14,273	14,034	15,608	20,283
Pennsylvania	28,555	29,343	32,434	36,428	NA	71,739
Rhode Island	3,179	4,096	4,129	5,507	7,280	8,125
South Carolina	10,210	9,715	9,724	11,881	12,757	14,670
South Dakota	2,042	1,661	1,585	1,651	2,192	3,170
Tennessee	14,547	14,321	14,399	16,352	20,240	22,522
Texas	NA	NA	324,741	342,851	296,210	257,093
Utah	6,677	6,659	6,827	7,611	9,283	15,188
Vermont	613	602	710	732	909	1,097
Virginia	12,931	14,762	14,966	15,430	NA	24,173
Washington	22,549	20,055	16,216	20,505	20,697	26,245
West Virginia	5,330	4,785	5,403	7,389	8,196	NA
Wisconsin	17,646	15,500	15,635	21,085	31,778	36,991
Wyoming	NA	3,275	4,123	5,379	7,050	7,288
Total	**R1,516,301**	**R1,404,082**	**R1,374,956**	**R1,501,337**	**R1,640,155**	**R1,893,909**

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000		1999			
	February	January	Total	December	November	October
Alabama	31,734	31,217	295,414	27,778	23,841	21,395
Alaska	13,127	15,718	150,054	16,172	14,810	12,834
Arizona	13,235	16,648	142,216	13,717	9,387	11,402
Arkansas	25,898	25,460	249,371	23,807	17,325	16,443
California	182,440	197,045	2,070,537	181,988	159,881	180,829
Colorado	35,750	38,458	271,006	30,305	21,081	16,301
Connecticut	18,799	16,965	131,143	14,232	11,320	8,163
Delaware	5,170	5,842	55,936	4,552	3,077	3,801
District of Columbia	5,287	5,038	31,993	3,224	2,334	1,383
Florida	42,595	45,615	510,162	41,265	40,536	46,001
Georgia	28,697	40,252	322,758	38,695	24,229	17,535
Hawaii	243	246	2,735	230	223	228
Idaho	7,207	8,608	64,414	7,221	5,381	4,487
Illinois	122,950	153,877	980,610	132,586	82,163	64,453
Indiana	68,704	NA	552,765	63,918	44,341	38,853
Iowa	27,333	32,569	223,514	26,107	17,894	14,570
Kansas	31,543	35,405	240,458	23,154	13,434	11,490
Kentucky	24,107	30,843	194,425	25,286	16,959	12,696
Louisiana	110,564	127,715	1,265,867	104,679	95,505	100,164
Maine	830	1,052	6,054	785	531	535
Maryland	26,406	29,341	191,596	22,001	14,733	11,929
Massachusetts	R47,255	R34,544	336,565	38,237	27,970	21,322
Michigan	119,744	129,006	882,566	103,906	76,676	54,883
Minnesota	NA	NA	317,798	41,255	26,602	20,682
Mississippi	24,279	27,405	266,595	25,866	19,583	18,877
Missouri	36,598	39,700	259,431	30,427	17,785	12,521
Montana	7,139	7,438	55,095	6,746	5,132	3,713
Nebraska	14,385	15,230	118,478	10,991	7,373	7,476
Nevada	13,104	16,567	150,698	16,423	11,071	11,146
New Hampshire	3,022	3,120	20,310	2,231	1,561	1,317
New Jersey	90,483	87,626	612,707	58,566	50,178	37,033
New Mexico	12,649	14,114	124,829	15,906	10,607	8,646
New York	NA	NA	1,209,656	118,176	95,020	78,133
North Carolina	32,119	30,199	210,291	23,244	16,297	11,780
North Dakota	4,425	NA	38,160	4,075	3,186	2,595
Ohio	114,573	128,938	828,223	100,467	70,716	53,172
Oklahoma	37,243	38,422	449,005	34,813	27,650	27,800
Oregon	21,905	24,455	198,402	21,662	18,954	17,065
Pennsylvania	NA	97,807	635,761	75,969	53,754	40,316
Rhode Island	10,629	10,963	83,933	7,937	7,247	5,627
South Carolina	18,272	17,028	154,036	15,644	13,101	10,959
South Dakota	3,628	4,319	28,903	3,392	2,122	1,663
Tennessee	33,997	36,923	261,242	25,892	19,688	17,283
Texas	283,560	277,915	3,507,315	309,568	272,367	293,456
Utah	14,926	17,075	133,301	18,902	12,057	10,128
Vermont	1,319	1,134	8,024	882	696	530
Virginia	33,919	33,271	255,556	34,638	18,106	13,179
Washington	28,127	31,433	256,042	30,755	23,300	25,142
West Virginia	14,226	13,523	103,951	11,989	8,800	6,950
Wisconsin	47,126	59,090	369,839	50,652	31,668	26,200
Wyoming	8,227	7,861	60,596	6,329	5,889	4,425
Total	**R2,178,699**	**R2,326,097**	**19,890,341**	**2,047,240**	**1,574,142**	**1,439,510**

See footnotes at end of table.

Table 19

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	September	August	July	June	May	April
Alabama	20,989	25,122	24,091	20,626	20,475	24,271
Alaska	9,323	8,832	11,148	9,984	11,295	11,794
Arizona	9,654	11,644	11,483	10,757	11,295	13,422
Arkansas	16,847	22,799	20,365	19,723	18,535	20,529
California	165,567	167,278	159,967	142,580	148,719	171,021
Colorado	12,872	15,484	14,409	15,773	22,925	26,400
Connecticut	7,574	7,673	8,871	7,696	8,969	9,967
Delaware	3,675	4,997	5,614	4,453	4,682	4,059
District of Columbia	1,191	1,158	1,222	1,343	1,940	3,252
Florida	48,452	49,841	49,156	44,712	45,247	45,528
Georgia	17,404	17,622	17,315	16,753	17,369	24,544
Hawaii	224	222	229	229	222	231
Idaho	3,632	2,954	3,304	3,696	4,985	6,280
Illinois	42,800	40,474	48,394	42,791	47,923	76,117
Indiana	30,240	29,641	30,528	30,529	33,004	45,759
Iowa	11,388	10,507	12,004	10,523	13,346	18,127
Kansas	13,195	22,427	21,090	14,769	15,787	20,722
Kentucky	10,047	10,241	10,434	9,576	10,829	14,513
Louisiana	104,011	117,171	114,197	110,788	107,074	103,135
Maine	314	314	289	299	359	440
Maryland	9,080	10,600	13,663	9,627	10,386	16,085
Massachusetts	19,864	20,482	20,688	22,154	25,502	35,387
Michigan	37,742	35,797	41,232	43,510	54,556	76,952
Minnesota	13,769	15,237	14,512	14,019	17,100	24,217
Mississippi	18,481	25,211	25,306	21,244	21,832	24,120
Missouri	11,027	14,573	16,140	12,389	13,876	22,031
Montana	2,373	2,076	2,341	2,860	4,251	5,171
Nebraska	6,646	7,156	10,201	6,066	6,997	9,748
Nevada	11,556	11,658	11,597	11,136	12,110	12,233
New Hampshire	1,030	940	885	905	1,287	1,909
New Jersey	30,762	28,763	38,628	32,199	37,349	53,526
New Mexico	7,567	8,857	8,075	7,328	7,968	10,129
New York	70,061	78,620	83,697	80,448	91,121	100,477
North Carolina	11,776	15,468	15,861	12,598	13,195	17,495
North Dakota	1,945	1,595	1,664	1,815	2,603	3,349
Ohio	36,517	35,963	37,321	37,960	45,944	71,575
Oklahoma	32,949	44,075	42,745	36,737	33,393	39,685
Oregon	13,444	12,389	11,560	11,861	15,106	16,649
Pennsylvania	28,858	29,928	30,778	31,445	36,877	55,408
Rhode Island	4,843	4,992	5,643	5,949	7,018	7,874
South Carolina	9,890	11,310	11,705	9,779	10,758	12,547
South Dakota	986	1,354	1,652	1,258	1,684	2,780
Tennessee	17,453	15,569	16,918	15,349	16,028	21,064
Texas	333,757	372,426	301,012	291,238	268,082	268,513
Utah	7,219	6,236	7,288	5,666	8,124	12,378
Vermont	414	443	297	327	490	752
Virginia	14,183	18,546	18,679	14,791	16,116	20,734
Washington	15,855	14,107	13,031	12,999	16,878	22,021
West Virginia	5,412	5,493	5,083	5,184	6,446	8,829
Wisconsin	17,184	16,597	18,038	16,670	19,533	27,847
Wyoming	5,408	3,366	3,764	3,427	4,425	5,407
Total	**1,327,450**	**1,436,227**	**1,394,116**	**1,296,537**	**1,372,018**	**1,647,002**

[R] Revised Data.
[NA] Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				November	October	September	August	July
Alabama	4.08	3.21	3.18	5.62	6.00	5.12	5.22	5.50
Alaska	1.60	1.32	1.72	1.62	1.62	1.60	1.58	1.53
Arizona	4.11	2.73	2.60	5.51	5.36	4.95	4.81	5.66
Arkansas	NA	2.90	2.90	NA	NA	NA	NA	NA
California	3.99	2.61	2.33	5.09	5.17	4.98	4.13	4.70
Colorado	3.25	2.31	2.35	4.04	4.24	3.32	3.56	4.05
Connecticut	6.43	4.84	5.00	7.06	7.30	9.62	7.12	7.54
Delaware	3.30	3.53	2.93	5.44	4.49	2.74	2.53	2.37
District of Columbia	8.69	—	—	—	—	—	—	—
Florida	4.65	3.46	3.41	6.37	6.65	5.45	4.87	5.05
Georgia	NA	2.95	3.40	NA	NA	5.82	R5.17	4.81
Hawaii	8.28	5.44	5.34	9.43	9.09	9.04	8.69	8.17
Idaho	3.45	2.18	1.97	4.67	5.27	3.85	3.60	5.32
Illinois	4.36	2.98	2.77	5.33	6.39	6.05	5.12	5.96
Indiana	NA	2.44	2.45	4.54	NA	NA	3.59	NA
Iowa	4.44	3.18	3.45	5.81	6.41	5.84	5.45	6.39
Kansas	4.28	2.94	2.98	5.21	6.46	5.87	R4.91	5.57
Kentucky	4.44	3.24	3.26	5.79	6.14	5.18	5.17	5.11
Louisiana	NA	2.69	2.31	5.61	5.93	5.23	NA	NA
Maine	NA	4.66	3.38	NA	NA	NA	NA	NA
Maryland	4.85	3.48	3.94	5.86	7.62	6.25	6.70	8.23
Massachusetts	NA	3.74	4.15	5.48	NA	NA	NA	R7.99
Michigan	3.18	2.82	2.78	3.44	3.48	3.32	3.33	3.33
Minnesota	NA	3.00	2.96	5.66	5.95	5.67	4.92	5.64
Mississippi	NA	2.86	2.99	5.50	NA	NA	4.57	4.82
Missouri	NA	3.40	3.44	5.49	NA	7.18	6.89	7.35
Montana	3.26	2.52	2.43	4.27	3.93	3.39	2.86	3.50
Nebraska	4.13	3.07	3.01	5.11	5.89	5.23	4.59	5.54
Nevada	NA	2.47	3.10	6.28	5.26	4.74	4.09	5.77
New Hampshire	NA	4.07	3.73	NA	NA	NA	—	NA
New Jersey	NA	4.56	3.67	NA	NA	NA	NA	8.07
New Mexico	NA	2.20	2.06	NA	4.91	3.66	3.16	3.78
New York	NA	2.92	2.61	NA	NA	NA	NA	NA
North Carolina	4.79	3.30	3.54	5.77	6.38	6.08	5.21	5.99
North Dakota	NA	3.02	2.78	5.41	5.81	4.66	4.55	8.28
Ohio	5.83	4.90	4.77	5.69	7.58	6.74	7.86	8.41
Oklahoma	NA	2.77	2.55	5.60	4.94	NA	NA	4.14
Oregon	3.70	2.92	2.78	4.87	4.66	3.71	4.18	4.70
Pennsylvania	NA	3.71	4.23	5.67	NA	NA	6.58	7.83
Rhode Island	3.93	4.05	4.17	4.47	7.15	5.65	5.60	5.36
South Carolina	4.79	3.46	3.41	5.87	6.56	6.15	5.47	5.93
South Dakota	4.42	3.49	3.35	4.55	5.57	5.06	5.66	6.92
Tennessee	NA	3.07	3.50	5.67	5.71	4.77	3.95	5.74
Texas	NA	2.83	2.60	5.26	5.49	5.02	NA	NA
Utah	3.52	2.87	3.16	3.87	3.88	3.43	3.74	3.15
Vermont	4.12	3.06	2.59	5.34	5.11	4.39	4.49	4.08
Virginia	NA	3.90	3.82	6.39	NA	7.29	6.87	6.37
Washington	NA	2.55	2.34	5.11	NA	3.67	3.76	4.96
West Virginia	NA	3.47	3.09	4.00	5.47	2.86	7.33	4.97
Wisconsin	4.08	3.13	3.37	5.12	5.79	5.63	5.04	5.88
Wyoming	NA	3.53	2.56	5.53	5.46	4.51	NA	4.88
Total	**4.33**	**3.14**	**3.06**	**5.40**	**5.99**	**5.71**	**R4.61**	**5.11**

See footnotes at end of table.

Table 20

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000						1999	
	June	May	April	March	February	January	Total	December
Alabama	5.70	4.20	3.40	3.43	3.05	2.95	3.21	3.24
Alaska	1.59	1.62	1.60	1.64	1.56	1.61	1.32	1.32
Arizona	5.21	3.84	3.54	3.05	2.97	2.70	2.72	2.68
Arkansas	NA	NA	NA	NA	NA	NA	2.81	2.26
California	4.42	3.44	3.40	2.90	2.88	2.59	2.61	2.65
Colorado	3.71	2.91	2.82	2.31	2.99	2.34	2.31	2.27
Connecticut	7.99	6.62	5.67	5.59	6.00	5.40	4.91	5.42
Delaware	2.99	2.82	2.74	3.04	3.29	3.80	3.45	2.78
District of Columbia	—	—	—	—	8.69	—	—	—
Florida	5.32	4.07	4.12	3.57	3.55	3.86	3.49	3.70
Georgia	NA	R3.67	3.29	NA	NA	NA	2.95	2.80
Hawaii	8.46	8.84	8.05	6.96	7.40	7.14	5.62	7.40
Idaho	4.08	3.13	3.15	2.64	2.52	2.50	2.23	2.50
Illinois	7.23	4.38	3.47	3.30	3.13	2.93	3.00	3.13
Indiana	4.60	3.02	2.91	NA	NA	NA	2.46	2.57
Iowa	5.45	7.00	3.72	3.75	3.47	3.03	3.30	3.98
Kansas	4.82	4.02	3.44	3.48	3.61	3.21	2.96	3.12
Kentucky	4.88	4.94	3.55	3.90	3.88	3.65	3.27	3.42
Louisiana	4.84	3.68	3.85	3.39	3.30	2.96	2.70	2.71
Maine	NA	NA	5.01	NA	2.92	4.08	4.61	4.33
Maryland	8.46	6.79	4.47	4.18	3.94	3.53	3.45	3.30
Massachusetts	R7.18	R3.18	R4.22	R3.50	R3.33	R3.29	3.74	3.70
Michigan	3.02	3.00	3.06	2.90	3.01	3.11	2.83	2.93
Minnesota	5.22	3.64	3.33	3.63	NA	NA	3.06	3.42
Mississippi	3.61	3.39	NA	3.50	3.32	3.10	2.88	3.05
Missouri	7.33	5.62	4.33	3.68	3.40	3.07	3.34	3.02
Montana	3.25	2.90	2.80	3.02	3.05	2.72	2.57	2.91
Nebraska	5.11	3.73	3.69	3.36	3.54	2.97	3.12	3.50
Nevada	5.24	4.39	4.01	3.55	3.50	NA	2.59	3.27
New Hampshire	NA	NA	4.16	4.65	3.91	3.80	4.07	4.09
New Jersey	10.86	6.02	4.91	4.12	3.70	3.89	4.55	4.52
New Mexico	3.77	2.96	2.70	2.50	2.36	2.50	2.24	2.42
New York	NA	NA	NA	NA	NA	NA	2.92	2.86
North Carolina	6.44	4.47	4.05	3.83	3.99	3.57	3.33	3.61
North Dakota	4.78	4.12	3.59	3.66	NA	NA	3.07	3.38
Ohio	5.89	7.94	5.93	6.73	4.85	4.98	4.83	4.48
Oklahoma	3.19	3.36	2.88	3.01	2.66	NA	2.84	3.59
Oregon	4.22	3.59	3.31	3.04	3.14	2.97	2.93	3.03
Pennsylvania	7.48	6.08	4.28	4.72	3.87	3.44	3.65	3.33
Rhode Island	4.87	3.74	2.92	3.17	3.30	3.45	4.19	5.29
South Carolina	5.73	4.55	4.14	3.84	3.84	3.60	3.46	3.51
South Dakota	6.39	7.12	4.09	3.83	4.04	3.26	3.52	3.67
Tennessee	NA	3.89	3.74	3.28	3.74	3.06	3.15	3.72
Texas	4.41	3.08	3.20	2.87	2.97	2.98	2.84	2.91
Utah	3.14	2.73	3.09	3.68	3.44	3.45	2.98	3.54
Vermont	4.05	4.10	3.71	3.80	3.56	3.46	2.85	1.43
Virginia	6.32	7.25	3.28	4.01	4.10	3.71	3.81	3.34
Washington	NA	3.22	NA	NA	NA	NA	2.63	3.38
West Virginia	4.12	3.06	3.26	NA	NA	3.45	3.40	3.07
Wisconsin	5.67	4.20	3.41	3.44	3.20	2.94	3.08	2.79
Wyoming	4.56	4.04	4.05	4.09	4.37	4.39	3.59	4.03
Total	**5.13**	**R4.12**	**3.70**	**3.53**	**3.48**	**3.31**	**3.16**	**3.24**

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	November	October	September	August	July	June	May	April
Alabama	3.74	4.16	4.10	3.62	3.69	4.00	3.15	2.90
Alaska	1.34	1.36	1.41	1.11	1.26	1.27	1.23	1.32
Arizona	3.37	3.30	3.66	3.52	3.26	3.16	3.03	2.39
Arkansas	3.45	3.07	2.74	2.98	3.04	2.53	2.82	2.74
California	3.27	3.44	3.02	2.82	2.61	2.60	2.70	2.15
Colorado	3.52	2.46	2.98	2.56	2.35	2.44	2.36	1.14
Connecticut	5.81	4.58	5.85	4.52	5.39	4.33	5.19	4.87
Delaware	3.48	2.73	4.01	3.53	4.43	5.10	3.91	3.12
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.77	3.86	3.76	3.68	3.38	3.39	3.38	3.11
Georgia	4.19	0.92	12.45	3.15	3.46	4.06	3.08	3.09
Hawaii	7.20	6.48	6.23	5.59	5.61	5.45	4.72	4.68
Idaho	3.07	2.94	3.27	2.74	2.72	1.50	1.69	1.94
Illinois	3.55	3.41	3.87	3.73	3.23	3.17	3.62	2.63
Indiana	3.09	2.79	2.85	2.86	2.32	2.47	2.62	2.26
Iowa	3.95	3.49	3.71	3.97	3.54	4.26	3.63	3.03
Kansas	3.60	3.50	3.95	4.77	2.61	3.08	2.97	2.54
Kentucky	3.82	3.56	3.46	2.85	3.06	2.89	3.63	3.72
Louisiana	3.59	3.03	3.27	2.86	2.54	2.63	2.74	2.46
Maine	7.89	3.85	8.33	—	14.77	4.85	2.26	5.43
Maryland	4.28	4.12	5.35	6.17	5.65	5.81	5.86	3.52
Massachusetts	4.12	5.43	6.72	5.73	7.07	3.99	6.03	4.00
Michigan	2.95	2.86	2.83	2.79	2.83	2.63	2.83	2.75
Minnesota	4.24	2.85	3.72	3.52	3.30	3.23	2.87	2.49
Mississippi	3.49	3.29	3.30	3.05	2.83	2.49	2.65	2.71
Missouri	3.87	4.23	5.43	5.25	5.14	4.90	4.56	3.43
Montana	3.00	2.65	2.30	2.12	2.08	2.20	1.37	2.39
Nebraska	3.79	3.14	3.28	2.30	3.25	3.24	3.45	2.94
Nevada	3.01	3.20	3.94	5.42	0.83	3.60	3.07	2.13
New Hampshire	6.30	3.54	5.64	4.35	6.94	4.47	3.38	3.58
New Jersey	4.95	5.58	7.65	7.06	5.87	6.86	7.14	4.26
New Mexico	2.64	2.54	2.52	2.34	2.06	2.13	2.06	1.81
New York	3.72	3.28	3.37	2.96	2.77	2.62	3.00	2.53
North Carolina	3.94	3.74	3.90	3.52	3.21	3.34	3.52	3.25
North Dakota	4.22	3.34	3.39	3.34	2.89	2.82	2.94	2.55
Ohio	4.66	4.90	5.21	6.55	5.07	5.81	6.71	7.73
Oklahoma	3.55	2.65	2.84	1.87	2.19	2.47	2.23	2.35
Oregon	3.44	3.10	3.64	4.05	3.74	3.28	2.84	2.66
Pennsylvania	4.03	4.23	4.72	6.67	4.70	4.35	4.35	3.84
Rhode Island	4.37	4.79	4.95	3.15	5.41	4.92	5.37	3.05
South Carolina	3.86	3.65	4.14	3.85	3.63	3.80	3.85	3.43
South Dakota	4.05	3.37	3.50	4.02	4.03	3.72	4.21	3.37
Tennessee	4.48	3.60	3.41	4.13	3.25	2.76	2.81	2.65
Texas	3.44	3.17	2.98	2.98	2.77	2.78	2.86	2.45
Utah	3.34	2.75	3.23	2.93	4.04	2.62	2.07	2.31
Vermont	3.85	3.42	2.68	2.70	2.63	3.12	3.34	3.07
Virginia	4.25	3.73	7.51	5.60	7.13	5.27	4.96	3.70
Washington	3.28	2.81	3.11	2.62	2.76	2.36	2.71	2.60
West Virginia	3.82	3.50	1.33	3.10	2.96	3.87	2.64	3.08
Wisconsin	4.02	3.34	3.93	4.12	3.86	4.78	3.70	2.81
Wyoming	4.49	3.35	3.94	3.73	3.36	2.81	3.31	3.52
Total	**3.76**	**3.31**	**3.72**	**3.53**	**3.23**	**3.28**	**3.41**	**2.94**

R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				November	October	September	August	July
Alabama	9.15	8.36	8.12	11.92	12.09	13.41	13.47	13.23
Alaska	3.53	3.68	3.69	3.41	3.52	3.74	3.88	4.20
Arizona	9.66	9.20	8.53	10.14	13.15	13.68	14.09	14.76
Arkansas	NA	7.26	6.86	NA	NA	NA	NA	NA
California	7.84	6.63	6.92	9.51	9.86	8.82	8.72	8.90
Colorado	5.88	5.40	5.26	7.19	7.43	9.24	9.06	7.94
Connecticut	11.19	10.44	10.55	11.99	12.65	13.32	12.81	13.50
Delaware	8.31	8.72	8.94	9.65	12.24	13.83	9.53	9.66
District of Columbia	9.53	8.68	8.93	12.78	13.52	14.02	9.97	9.68
Florida	13.18	11.71	11.28	15.95	16.23	16.62	16.44	14.86
Georgia	NA	4.29	7.49	NA	NA	15.23	11.50	10.37
Hawaii	21.72	18.86	19.28	22.88	23.24	22.96	22.67	22.09
Idaho	6.13	5.39	5.36	7.29	7.59	7.85	8.19	7.23
Illinois	6.97	5.52	5.61	8.72	10.14	10.54	10.84	11.19
Indiana	NA	6.14	6.70	7.15	NA	NA	10.82	10.33
Iowa	7.41	6.10	6.14	8.08	9.98	12.81	13.34	12.12
Kansas	7.25	5.97	6.06	9.02	10.51	10.84	12.14	10.41
Kentucky	7.12	5.67	6.17	8.78	9.40	10.47	10.62	10.17
Louisiana	NA	6.76	6.66	9.89	10.98	10.94	NA	NA
Maine	NA	7.62	8.17	NA	NA	NA	NA	NA
Maryland	9.46	8.45	8.32	10.21	12.88	15.33	14.69	15.45
Massachusetts	9.35	9.43	9.39	10.93	R6.51	R12.43	R12.32	R11.27
Michigan	5.24	5.17	5.22	5.17	5.77	6.86	7.38	7.30
Minnesota	NA	5.61	5.53	7.86	9.15	9.44	9.12	9.64
Mississippi	NA	5.98	6.03	8.76	NA	NA	9.56	9.24
Missouri	NA	6.34	6.62	9.22	NA	12.60	11.85	11.58
Montana	5.87	5.18	5.29	6.13	6.28	7.13	8.95	8.11
Nebraska	6.19	5.03	5.19	7.88	9.07	9.83	10.24	9.85
Nevada	6.68	7.31	7.17	6.33	7.47	8.11	8.44	8.11
New Hampshire	NA	7.53	8.13	NA	NA	NA	NA	8.35
New Jersey	NA	7.47	7.21	7.06	6.30	NA	NA	NA
New Mexico	NA	5.22	5.73	NA	5.49	6.56	7.89	NA
New York	NA	9.14	9.63	NA	NA	NA	NA	NA
North Carolina	9.38	8.24	8.59	10.85	12.57	15.17	15.22	14.80
North Dakota	NA	5.31	5.18	7.60	7.89	8.68	10.18	10.16
Ohio	7.17	6.22	6.48	9.22	9.23	10.40	10.70	9.74
Oklahoma	NA	5.91	5.99	8.45	9.08	NA	NA	9.94
Oregon	7.84	7.15	6.82	9.08	7.80	9.33	9.92	9.30
Pennsylvania	NA	8.40	8.55	9.26	NA	NA	11.93	NA
Rhode Island	9.74	9.52	9.58	13.38	12.01	12.15	12.16	11.97
South Carolina	9.35	8.43	8.22	11.51	10.86	12.04	12.39	11.07
South Dakota	7.00	5.78	5.69	7.72	9.11	11.03	11.19	10.87
Tennessee	NA	6.47	6.73	9.29	9.61	10.68	11.22	10.12
Texas	NA	6.17	6.29	8.52	10.58	11.28	NA	NA
Utah	6.20	5.34	5.56	6.15	6.01	5.76	6.77	6.99
Vermont	7.94	7.12	6.56	8.88	8.49	9.93	10.09	9.89
Virginia	NA	8.72	8.65	11.09	NA	15.81	15.77	13.98
Washington	NA	5.89	5.84	7.54	NA	9.30	8.92	7.85
West Virginia	NA	7.47	7.31	7.65	8.25	10.16	10.86	10.85
Wisconsin	7.10	6.19	6.18	8.52	8.73	8.55	8.81	9.21
Wyoming	NA	5.13	5.23	6.59	6.62	6.65	NA	7.50
Total	**7.51**	**6.72**	**6.90**	**8.59**	**9.25**	**R9.93**	**R10.28**	**R10.08**

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000						1999	
	June	May	April	March	February	January	Total	December
Alabama	12.23	9.53	9.08	9.21	7.21	7.41	8.34	8.19
Alaska	3.86	3.66	3.45	3.53	3.36	3.34	3.64	3.45
Arizona	12.42	11.19	9.23	8.43	8.33	7.88	9.13	8.71
Arkansas	NA	NA	NA	NA	NA	NA	7.22	6.97
California	8.35	7.75	7.17	7.05	6.99	6.30	6.62	6.52
Colorado	6.80	5.30	5.33	5.14	5.08	4.96	5.38	5.28
Connecticut	13.08	11.02	11.04	10.54	10.51	10.49	10.54	11.23
Delaware	9.41	7.19	8.25	7.96	7.76	7.40	8.63	8.03
District of Columbia	8.59	9.87	9.28	8.99	8.69	8.54	8.70	8.93
Florida	14.99	14.18	13.27	11.95	10.45	10.62	11.59	10.69
Georgia	NA	7.13	6.31	8.44	7.36	6.74	4.37	9.20
Hawaii	22.20	22.11	20.93	20.37	20.31	19.99	18.97	20.18
Idaho	6.22	6.00	5.74	5.61	5.56	5.45	5.42	5.56
Illinois	9.87	8.60	6.23	5.71	5.32	5.12	5.50	5.36
Indiana	9.79	8.43	6.62	6.38	6.16	5.41	6.03	5.40
Iowa	13.08	12.10	6.91	6.26	5.73	5.27	6.10	6.09
Kansas	9.61	7.97	6.80	6.38	6.03	5.98	5.98	6.08
Kentucky	9.64	8.52	6.75	6.21	6.04	5.56	5.72	5.92
Louisiana	10.68	8.46	6.81	6.99	6.13	5.92	6.83	7.34
Maine	NA	NA	8.96	9.30	7.34	7.87	7.47	6.63
Maryland	13.77	11.46	8.96	8.71	7.67	7.38	8.41	8.18
Massachusetts	R9.51	R9.49	R9.79	R9.41	R8.86	R8.91	9.25	8.32
Michigan	6.70	5.63	5.11	4.94	4.79	4.77	5.13	4.86
Minnesota	8.93	7.04	6.11	5.86	NA	NA	5.56	5.34
Mississippi	10.17	5.87	NA	6.86	5.66	5.81	5.99	6.00
Missouri	10.55	8.35	6.92	6.34	6.04	6.16	6.36	6.46
Montana	7.19	6.42	5.27	5.43	5.28	5.25	5.16	5.03
Nebraska	8.46	6.95	5.72	5.38	5.06	4.76	5.06	5.22
Nevada	7.67	7.18	6.79	6.25	6.25	6.07	7.14	6.19
New Hampshire	8.35	7.71	7.18	8.51	8.32	8.15	7.67	8.65
New Jersey	9.15	7.60	7.58	7.58	7.16	7.29	7.46	7.38
New Mexico	4.69	9.11	4.99	6.04	5.26	5.72	5.03	4.16
New York	NA	NA	NA	NA	NA	NA	9.12	9.01
North Carolina	12.53	10.95	8.47	9.07	7.58	8.27	8.33	8.95
North Dakota	7.57	6.66	5.36	5.04	4.73	NA	5.32	5.35
Ohio	8.71	7.30	6.43	6.30	6.09	6.18	6.24	6.39
Oklahoma	9.51	7.64	6.35	6.23	5.57	5.80	5.97	6.35
Oregon	8.42	7.91	7.18	7.48	7.42	7.33	7.13	7.06
Pennsylvania	NA	NA	NA	7.79	NA	7.31	8.30	7.72
Rhode Island	10.64	9.28	9.46	8.73	8.59	8.87	9.53	9.54
South Carolina	10.44	9.05	8.86	9.53	8.40	8.76	8.46	8.61
South Dakota	10.19	9.27	6.24	5.97	5.87	5.36	5.83	6.10
Tennessee	NA	7.90	7.54	7.34	6.45	6.03	6.53	6.91
Texas	9.97	6.99	6.91	6.20	5.49	5.26	6.09	5.60
Utah	6.99	6.82	6.36	5.91	6.16	6.16	5.37	5.49
Vermont	8.89	8.11	7.71	7.45	7.33	7.42	7.18	7.71
Virginia	12.54	9.80	8.90	8.32	7.78	7.65	8.61	7.99
Washington	7.12	6.77	6.54	6.46	6.43	6.39	5.88	5.82
West Virginia	9.60	7.80	7.50	NA	7.02	7.44	7.42	7.09
Wisconsin	9.56	6.59	7.10	6.49	6.19	5.99	6.17	6.07
Wyoming	6.17	5.45	5.38	5.05	4.94	5.00	5.11	4.96
Total	**R9.24**	**R7.99**	**R7.09**	**R6.89**	**R6.53**	**R6.31**	**6.69**	**6.51**

See footnotes at end of table.

Table 21

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	November	October	September	August	July	June	May	April
Alabama	9.13	10.23	11.56	11.86	11.34	10.94	9.79	7.80
Alaska	3.58	3.70	3.84	4.27	4.31	4.10	3.81	3.65
Arizona	10.26	11.77	12.56	12.77	12.19	10.96	9.51	8.71
Arkansas	14.99	9.00	9.48	10.67	9.68	9.48	8.28	6.72
California	7.13	7.51	6.88	7.21	7.04	6.82	6.22	5.98
Colorado	5.80	6.21	7.64	7.81	7.36	6.30	5.27	5.14
Connecticut	11.08	11.36	9.94	11.65	10.65	10.97	10.85	10.47
Delaware	9.00	10.70	12.50	12.54	10.59	10.98	9.33	8.40
District of Columbia	10.15	11.40	12.46	8.32	8.28	8.28	9.00	8.00
Florida	12.45	13.98	14.24	13.96	13.50	13.19	12.46	11.14
Georgia	9.71	25.26	10.22	12.92	14.82	12.44	11.78	5.01
Hawaii	19.50	20.03	19.71	19.38	18.71	18.56	18.60	18.04
Idaho	5.81	5.91	6.57	6.54	6.20	5.82	5.45	5.30
Illinois	6.27	6.87	8.44	9.41	8.80	8.07	7.62	5.24
Indiana	6.10	6.54	8.71	9.05	9.22	8.82	7.60	6.16
Iowa	6.50	7.54	9.22	13.34	9.38	11.33	7.75	5.99
Kansas	6.90	7.41	8.86	8.48	8.60	7.55	6.55	5.51
Kentucky	5.86	6.93	7.52	8.15	8.16	7.74	6.74	5.45
Louisiana	8.35	8.74	9.37	9.35	8.53	8.01	7.56	6.30
Maine	6.81	7.83	9.10	9.61	9.83	9.24	8.64	7.85
Maryland	9.01	10.02	12.68	12.94	12.22	11.84	9.72	7.97
Massachusetts	8.92	8.15	8.24	8.44	8.28	8.15	7.55	8.69
Michigan	5.14	5.60	7.16	7.77	7.70	6.47	5.73	5.11
Minnesota	6.38	6.23	7.45	7.89	8.02	7.17	6.24	5.20
Mississippi	7.19	7.79	7.95	7.95	7.41	7.29	7.09	5.58
Missouri	6.92	7.83	9.47	10.61	9.97	6.17	7.17	6.13
Montana	5.33	5.61	6.29	7.48	6.60	6.00	4.67	4.96
Nebraska	6.01	6.51	7.72	8.05	7.12	6.75	5.32	4.69
Nevada	7.22	8.28	8.90	9.08	8.91	8.19	7.43	7.04
New Hampshire	9.28	7.38	8.86	9.49	8.80	8.08	6.45	5.67
New Jersey	7.21	8.19	9.18	8.98	9.14	8.02	7.89	7.35
New Mexico	3.83	4.52	9.80	10.95	9.22	8.18	8.93	5.70
New York	9.66	10.29	11.93	12.01	12.65	11.79	10.10	8.74
North Carolina	8.95	10.77	11.71	13.20	12.34	12.99	8.76	7.92
North Dakota	5.92	6.15	7.43	8.15	7.78	7.45	5.29	4.80
Ohio	6.60	6.79	8.07	8.79	8.45	7.92	6.86	5.85
Oklahoma	8.66	8.12	9.25	9.70	8.99	3.85	7.10	5.71
Oregon	7.12	7.63	8.59	8.86	10.44	7.71	7.22	7.00
Pennsylvania	8.20	9.07	11.60	12.08	12.19	10.77	9.27	7.74
Rhode Island	10.00	10.45	12.23	12.29	12.14	11.36	9.79	9.48
South Carolina	8.70	9.04	10.03	10.28	10.03	9.72	8.33	8.03
South Dakota	6.27	7.09	8.26	9.81	8.69	8.46	6.48	5.43
Tennessee	7.89	8.28	7.95	9.23	8.83	9.29	6.98	6.25
Texas	7.30	8.46	9.07	9.23	7.48	7.99	7.02	6.07
Utah	5.90	5.11	5.44	6.25	5.54	5.78	4.83	4.19
Vermont	7.57	7.69	9.40	9.45	9.40	8.48	7.47	6.88
Virginia	8.73	11.76	13.85	14.08	13.56	13.09	10.03	8.54
Washington	5.89	6.05	7.25	7.37	7.38	6.65	6.29	5.97
West Virginia	7.42	8.13	9.67	10.79	10.73	9.94	8.20	7.36
Wisconsin	6.96	5.45	7.19	7.43	7.12	6.68	5.89	6.11
Wyoming	5.29	5.20	6.14	6.99	6.94	5.76	4.90	4.85
Total	**7.15**	**7.56**	**8.63**	**9.14**	**8.83**	**8.20**	**7.30**	**6.44**

[R] Revised Data.
[NA] Not Available.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				November	October	September	August	July
Alabama	7.54	6.65	6.60	9.50	8.95	8.72	8.62	8.72
Alaska	2.02	2.18	2.40	2.11	1.97	1.92	1.86	1.76
Arizona	6.65	6.17	5.97	8.12	7.07	6.96	6.78	7.18
Arkansas	NA	5.39	5.14	NA	NA	NA	NA	NA
California	7.21	6.11	6.37	8.74	8.41	7.86	7.37	7.49
Colorado	5.06	4.52	4.36	6.42	5.85	6.05	6.05	5.50
Connecticut	6.29	6.38	6.81	7.08	5.91	4.48	3.94	4.99
Delaware	6.75	7.01	7.07	7.37	7.86	18.62	7.51	7.28
District of Columbia	8.46	7.31	7.32	11.64	10.60	10.00	8.25	7.19
Florida	7.64	6.49	6.42	8.44	8.25	8.42	8.39	8.12
Georgia	NA	3.80	6.34	NA	NA	6.44	6.52	6.29
Hawaii	17.20	14.19	14.18	18.11	18.15	17.96	17.48	17.41
Idaho	5.40	4.75	4.63	6.71	6.69	6.46	6.34	5.74
Illinois	6.52	5.17	5.13	8.47	9.54	9.10	9.34	9.98
Indiana	NA	5.21	5.63	6.24	NA	NA	7.38	7.12
Iowa	6.04	4.72	4.78	7.18	7.67	8.70	8.27	7.75
Kansas	NA	4.98	4.97	NA	6.09	5.39	4.64	4.92
Kentucky	6.32	5.02	5.48	8.25	8.56	7.94	8.49	7.09
Louisiana	NA	5.66	5.61	8.75	9.15	8.27	NA	7.69
Maine	NA	6.72	7.27	NA	NA	NA	NA	NA
Maryland	7.81	7.00	6.59	8.64	10.70	10.42	9.86	9.07
Massachusetts	9.14	7.60	7.28	10.82	R9.81	R7.03	R10.06	R9.09
Michigan	4.88	4.91	4.92	4.91	5.29	5.62	5.89	6.01
Minnesota	NA	4.43	4.39	6.86	7.30	6.67	5.91	6.66
Mississippi	NA	4.84	4.70	7.01	NA	NA	6.34	6.54
Missouri	6.46	5.41	5.70	8.38	R8.41	8.27	7.98	7.20
Montana	5.11	5.14	5.16	5.54	5.29	5.36	6.11	5.91
Nebraska	5.11	4.11	4.30	6.59	7.44	6.16	5.70	5.95
Nevada	5.54	6.11	6.29	5.49	5.71	5.82	5.86	5.80
New Hampshire	NA	6.73	7.15	NA	NA	NA	NA	NA
New Jersey	NA	3.88	3.78	5.98	5.86	NA	NA	5.21
New Mexico	NA	3.81	4.23	NA	4.14	4.55	5.45	4.91
New York	NA	5.07	6.09	NA	NA	NA	NA	NA
North Carolina	7.28	6.09	6.57	9.25	8.70	7.81	8.71	7.70
North Dakota	NA	4.48	4.38	6.91	7.23	6.69	7.40	7.36
Ohio	6.58	5.53	5.85	8.65	8.37	8.64	8.95	8.03
Oklahoma	6.15	4.99	5.20	7.50	7.04	7.26	7.04	6.88
Oregon	6.24	5.64	5.14	7.55	5.81	6.33	6.39	6.48
Pennsylvania	NA	7.35	7.52	5.96	NA	NA	8.93	8.43
Rhode Island	8.05	8.05	8.13	9.70	10.43	10.21	9.39	9.33
South Carolina	7.60	6.47	6.44	9.50	8.40	8.05	7.95	7.18
South Dakota	NA	4.44	4.50	NA	7.22	7.76	7.69	7.00
Tennessee	NA	5.61	6.00	8.61	8.07	7.15	7.64	7.73
Texas	NA	4.45	4.46	6.94	7.16	6.06	NA	NA
Utah	4.79	4.03	4.31	5.42	5.12	4.61	4.71	4.40
Vermont	6.32	5.61	5.13	7.20	6.28	6.45	6.35	6.44
Virginia	NA	5.96	6.13	9.01	NA	8.65	7.96	8.49
Washington	NA	4.90	4.77	6.89	NA	7.09	6.20	5.60
West Virginia	6.55	6.45	6.31	6.75	6.87	7.44	7.46	9.52
Wisconsin	5.79	4.80	4.71	7.32	7.08	6.64	6.24	6.65
Wyoming	NA	4.37	4.83	NA	5.75	5.19	NA	5.27
Total	**5.87**	**5.30**	**5.52**	**6.99**	**R6.76**	**R7.01**	**R5.96**	**R5.88**

See footnotes at end of table.

Table 22

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000						1999	
	June	May	April	March	February	January	Total	December
Alabama	8.23	7.12	7.09	7.39	6.49	6.78	6.68	6.95
Alaska	2.02	1.91	1.96	2.13	2.12	2.16	2.18	2.17
Arizona	6.58	6.60	6.31	6.23	6.24	6.14	6.17	6.20
Arkansas	NA	NA	NA	NA	NA	NA	5.38	5.31
California	6.97	6.55	6.74	6.89	6.87	6.05	6.14	6.77
Colorado	5.01	4.78	4.60	4.59	4.60	4.56	4.55	4.78
Connecticut	6.16	5.26	7.01	6.27	6.82	7.97	6.53	7.81
Delaware	6.89	6.85	6.58	6.40	6.46	5.69	7.00	6.92
District of Columbia	7.25	7.77	8.15	8.34	8.55	7.89	7.38	8.07
Florida	7.79	7.49	7.24	7.12	6.98	6.87	6.50	6.74
Georgia	NA	5.47	5.23	5.20	5.15	5.37	3.87	6.95
Hawaii	17.66	17.59	16.71	16.09	16.12	16.02	14.33	15.80
Idaho	5.10	5.12	5.13	4.88	4.90	4.86	4.77	4.92
Illinois	10.39	7.63	5.92	5.41	5.08	4.95	5.20	5.34
Indiana	6.45	6.62	5.57	5.57	5.56	4.90	5.17	4.90
Iowa	8.95	9.59	5.48	5.17	4.91	4.57	4.79	5.23
Kansas	4.85	3.91	4.10	4.16	4.40	4.25	5.04	5.53
Kentucky	6.89	6.47	5.78	5.61	5.28	5.43	5.14	5.76
Louisiana	8.36	6.43	5.89	6.15	5.93	5.79	5.73	6.28
Maine	NA	NA	7.44	NA	6.79	6.65	6.65	6.25
Maryland	8.64	7.20	8.09	7.27	7.07	6.36	6.94	6.62
Massachusetts	R7.99	R9.17	R9.48	R9.78	R8.68	R8.95	7.63	7.85
Michigan	5.53	5.00	4.80	4.69	4.65	4.66	4.87	4.61
Minnesota	6.33	5.21	5.00	4.94	5.00	NA	4.44	4.46
Mississippi	8.85	5.58	5.84	5.58	5.19	4.64	4.88	5.13
Missouri	6.83	6.24	6.09	5.54	5.79	5.90	5.47	5.89
Montana	5.81	5.21	4.54	4.97	4.67	4.88	5.13	5.09
Nebraska	5.57	4.73	4.64	4.65	4.56	4.19	4.14	4.37
Nevada	5.66	5.65	5.50	5.39	5.44	5.37	6.02	5.42
New Hampshire	7.28	7.09	6.67	NA	7.80	7.44	6.86	7.78
New Jersey	5.27	2.06	5.21	4.53	4.59	4.93	3.99	4.88
New Mexico	3.53	3.91	7.27	4.06	4.00	4.22	3.78	3.60
New York	3.09	NA	NA	NA	NA	NA	5.15	5.90
North Carolina	7.01	6.60	6.17	7.35	6.51	6.80	6.22	7.23
North Dakota	5.63	5.29	4.64	4.51	4.31	NA	4.51	4.76
Ohio	7.33	6.61	5.86	5.86	5.84	5.96	5.58	5.92
Oklahoma	6.71	5.60	5.56	5.97	5.62	5.85	5.09	6.06
Oregon	6.16	6.07	6.06	6.06	6.06	6.04	5.66	5.76
Pennsylvania	7.87	7.87	7.50	7.31	7.11	6.77	7.29	6.98
Rhode Island	8.70	8.14	7.97	7.70	7.39	6.94	8.03	7.87
South Carolina	7.05	6.61	7.02	7.57	7.26	7.36	6.54	7.06
South Dakota	7.18	6.97	4.77	4.64	4.68	4.36	4.52	5.10
Tennessee	NA	6.06	6.38	6.52	6.05	4.78	5.73	6.61
Texas	5.92	4.31	4.89	4.41	4.61	4.34	4.42	4.24
Utah	4.40	4.37	4.24	4.63	4.70	4.82	4.13	4.54
Vermont	6.38	6.20	6.17	6.17	6.18	6.20	5.69	6.37
Virginia	7.50	6.38	6.30	6.18	6.25	6.14	5.99	6.17
Washington	5.44	5.36	5.33	5.44	5.44	5.93	4.89	4.85
West Virginia	7.55	6.76	6.50	6.29	5.97	6.14	6.23	4.79
Wisconsin	6.47	4.96	5.93	5.34	5.15	5.07	4.84	5.10
Wyoming	5.01	4.70	4.80	3.76	4.51	4.41	4.38	4.44
Total	**R5.84**	**R5.36**	**R5.59**	**R5.33**	**R5.63**	**5.49**	**5.33**	**5.56**

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	November	October	September	August	July	June	May	April
Alabama	7.04	6.84	7.19	7.27	7.18	7.05	6.83	6.22
Alaska	2.16	2.15	1.96	1.81	1.85	1.78	1.97	2.31
Arizona	6.33	6.31	6.26	6.37	6.12	6.04	6.06	6.11
Arkansas	7.39	5.94	5.79	5.81	5.73	5.78	5.86	5.26
California	6.75	6.70	6.31	6.43	6.01	5.75	5.54	5.89
Colorado	4.70	4.66	4.79	4.75	4.77	4.67	4.46	4.45
Connecticut	6.86	6.05	5.23	4.87	5.09	5.35	6.46	6.63
Delaware	7.19	7.49	8.18	8.76	8.27	7.87	7.29	6.80
District of Columbia	8.78	8.41	8.20	6.97	6.97	6.89	6.69	6.75
Florida	6.89	6.77	6.91	6.65	6.52	6.37	6.35	6.23
Georgia	7.09	14.20	8.77	6.66	7.84	7.15	5.36	4.07
Hawaii	15.90	15.71	14.90	14.45	14.46	14.00	13.28	13.08
Idaho	5.21	5.10	5.25	4.96	4.89	4.92	4.85	4.83
Illinois	6.12	6.28	7.15	8.43	7.87	7.07	6.50	4.79
Indiana	4.96	5.37	5.99	6.21	6.67	6.94	5.85	5.23
Iowa	5.28	5.47	5.80	6.19	6.25	6.44	5.51	4.67
Kansas	5.79	5.24	4.51	4.65	5.19	5.52	5.27	4.68
Kentucky	5.59	5.75	5.58	5.71	5.73	5.57	4.35	5.01
Louisiana	6.82	6.31	6.45	6.23	5.79	5.56	5.56	5.28
Maine	5.48	6.84	7.16	7.41	7.26	7.36	7.20	7.01
Maryland	7.52	8.18	8.74	7.33	7.78	8.27	7.42	7.02
Massachusetts	7.62	7.08	7.26	6.60	8.47	6.66	6.67	8.09
Michigan	4.96	5.21	5.75	6.12	5.90	5.71	5.17	4.97
Minnesota	5.20	4.61	5.01	4.64	4.49	4.60	4.37	4.00
Mississippi	5.61	5.19	4.79	5.06	4.62	4.62	4.96	4.52
Missouri	5.63	5.49	5.67	5.90	5.77	3.69	5.30	5.27
Montana	5.40	5.70	5.90	6.57	6.02	5.66	4.62	4.91
Nebraska	4.66	4.37	4.40	4.20	3.87	3.97	3.87	3.80
Nevada	6.03	6.34	6.53	6.36	6.52	6.43	6.12	6.13
New Hampshire	8.10	6.29	6.57	6.66	6.41	6.25	5.68	5.40
New Jersey	4.35	4.33	4.17	4.31	3.37	3.53	3.83	3.56
New Mexico	3.10	2.92	4.29	5.77	4.78	3.67	3.58	4.61
New York	5.34	4.38	4.24	3.77	3.91	3.99	5.31	5.87
North Carolina	6.73	6.52	6.04	6.19	6.04	6.03	5.77	5.54
North Dakota	5.21	5.17	5.40	5.22	5.31	5.25	4.06	4.05
Ohio	5.94	5.81	6.07	6.47	6.49	6.44	5.72	5.28
Oklahoma	6.36	5.30	5.36	5.30	5.37	5.92	4.93	4.65
Oregon	5.49	7.59	5.81	5.83	5.69	5.61	5.51	5.51
Pennsylvania	6.93	7.08	7.67	8.19	8.06	8.95	7.08	7.96
Rhode Island	8.03	8.17	8.60	14.15	8.95	8.72	8.47	8.05
South Carolina	7.18	6.05	6.14	6.03	5.92	6.02	6.06	6.47
South Dakota	4.87	5.37	5.57	6.00	5.30	5.38	4.92	4.24
Tennessee	7.02	5.52	5.19	6.06	5.97	5.64	5.55	5.46
Texas	4.90	4.82	4.91	4.36	4.58	4.10	4.75	4.89
Utah	4.72	3.98	3.99	4.10	4.19	3.85	3.31	3.24
Vermont	6.14	5.69	5.83	5.92	5.87	5.79	5.72	5.65
Virginia	6.37	6.53	6.44	6.27	6.15	5.73	5.85	5.77
Washington	5.10	4.35	5.25	5.97	5.12	5.43	5.04	4.91
West Virginia	6.47	6.58	7.07	6.99	7.25	7.32	6.94	6.19
Wisconsin	5.72	4.04	5.41	4.89	4.60	4.57	4.20	4.33
Wyoming	4.34	4.49	4.43	4.99	4.63	4.43	4.34	4.34
Total	**5.72**	**5.46**	**5.55**	**5.46**	**5.44**	**5.29**	**5.34**	**5.32**

R Revised Data.
NA Not Available.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				November	October	September	August	July
Alabama	4.24	3.41	3.28	5.02	5.56	5.06	4.50	4.79
Alaska	1.50	1.23	1.35	1.61	1.56	1.59	1.60	1.55
Arizona	4.22	3.42	3.25	4.15	5.32	5.22	4.30	4.70
Arkansas	NA	3.42	3.45	4.35	NA	4.13	NA	NA
California	5.22	3.30	3.71	6.26	7.14	6.84	5.55	5.75
Colorado	3.27	2.81	1.56	3.90	3.76	3.44	3.45	3.65
Connecticut	5.62	4.07	4.32	7.17	6.78	5.16	5.45	5.43
Delaware	4.87	4.09	4.19	5.37	4.74	7.00	5.79	7.18
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.04	3.61	3.99	6.72	6.56	5.63	5.29	5.08
Georgia	NA	3.33	4.06	NA	NA	4.81	4.35	4.58
Hawaii	10.02	8.20	—	11.80	11.16	10.77	11.21	10.21
Idaho	3.82	3.27	3.09	4.76	4.67	4.05	3.96	4.47
Illinois	5.38	3.99	3.98	7.60	7.66	6.49	6.41	6.65
Indiana	4.51	4.19	4.31	4.86	5.46	3.82	4.56	4.13
Iowa	4.89	3.86	3.44	6.04	6.28	5.99	5.29	5.21
Kansas	NA	2.90	3.17	NA	5.09	3.12	3.96	4.10
Kentucky	4.70	3.22	4.00	6.63	6.20	5.93	5.37	4.76
Louisiana	3.77	2.53	2.49	4.77	5.05	4.66	2.61	4.57
Maine	NA	4.92	5.04	NA	NA	NA	NA	NA
Maryland	7.15	5.62	5.27	7.36	8.24	7.84	8.26	6.84
Massachusetts	6.80	5.14	5.60	7.96	R7.64	R7.43	R7.86	R6.53
Michigan	4.22	3.67	3.92	4.79	4.71	4.64	4.41	4.48
Minnesota	4.22	2.99	2.87	5.31	5.83	5.07	4.24	4.98
Mississippi	NA	3.23	3.21	5.38	NA	NA	4.57	5.09
Missouri	NA	4.21	4.39	7.47	NA	4.44	6.45	5.71
Montana	4.79	3.47	4.73	4.85	5.14	6.12	6.37	5.69
Nebraska	4.35	3.36	3.25	5.52	4.90	5.27	4.98	5.08
Nevada	4.92	4.73	4.80	6.26	7.78	5.44	4.62	5.43
New Hampshire	NA	4.24	4.63	NA	NA	NA	NA	NA
New Jersey	NA	3.23	3.03	6.78	NA	NA	NA	NA
New Mexico	NA	2.68	3.34	NA	4.55	4.98	5.11	4.73
New York	NA	3.84	3.95	NA	5.13	4.95	NA	4.88
North Carolina	5.16	3.72	3.95	9.66	5.81	5.14	7.84	5.12
North Dakota	4.56	2.78	2.78	5.09	5.86	5.05	4.46	4.76
Ohio	5.75	3.89	4.36	7.10	7.17	6.74	6.71	6.50
Oklahoma	NA	3.46	3.67	6.05	5.49	NA	4.90	4.64
Oregon	3.95	3.99	3.70	2.92	2.19	4.38	5.50	4.43
Pennsylvania	NA	3.96	4.15	3.57	NA	4.82	4.90	4.72
Rhode Island	5.20	4.32	3.82	6.41	6.37	7.09	5.16	5.64
South Carolina	4.73	3.37	3.29	5.61	6.12	5.61	4.80	5.14
South Dakota	3.94	3.30	3.31	5.16	5.27	4.58	3.51	4.25
Tennessee	5.16	3.66	3.92	5.10	6.43	6.60	5.00	4.83
Texas	NA	2.55	2.31	NA	5.51	4.65	NA	NA
Utah	3.59	2.89	2.98	4.72	4.53	3.92	3.87	3.03
Vermont	4.56	2.97	2.82	5.71	4.95	5.00	4.56	4.41
Virginia	NA	3.86	3.95	6.17	R4.72	4.66	4.89	5.15
Washington	NA	2.78	2.66	4.13	NA	3.71	2.75	2.82
West Virginia	4.83	3.03	3.39	5.22	6.26	5.20	4.63	5.04
Wisconsin	5.11	4.01	3.78	6.66	6.55	5.89	5.07	5.68
Wyoming	NA	3.30	3.37	4.65	5.29	3.53	NA	3.80
Total	**4.20**	**3.09**	**3.14**	**5.27**	**R5.24**	**R4.83**	**4.22**	**R4.43**

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000						1999	
	June	May	April	March	February	January	Total	December
Alabama	4.75	3.65	3.57	3.44	3.47	3.45	3.42	3.54
Alaska	1.51	1.40	1.49	1.43	1.41	1.40	1.25	1.37
Arizona	4.50	4.00	4.10	3.53	3.54	3.38	3.42	3.44
Arkansas	NA	NA	NA	3.56	3.58	NA	3.45	3.71
California	5.09	4.53	4.45	4.37	4.45	3.82	3.34	3.89
Colorado	3.49	3.01	3.00	2.83	2.81	2.74	2.81	2.77
Connecticut	4.86	4.67	5.00	5.49	5.53	5.36	4.15	4.90
Delaware	5.14	4.90	5.05	4.24	5.40	2.64	4.07	3.87
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.29	4.88	3.93	4.49	4.40	4.06	4.03	3.77
Georgia	NA	3.90	3.90	3.67	4.00	4.31	3.41	4.35
Hawaii	10.20	10.13	9.57	8.53	8.48	8.28	8.21	8.28
Idaho	3.43	3.44	3.53	3.42	3.50	3.54	3.29	3.55
Illinois	5.16	4.92	4.33	5.05	3.78	4.06	4.06	4.58
Indiana	3.68	5.04	4.47	4.47	5.68	3.60	4.16	3.96
Iowa	3.55	6.15	4.26	4.26	3.88	4.14	3.98	5.02
Kansas	3.81	3.28	3.86	3.56	4.03	3.59	2.93	3.49
Kentucky	4.41	4.03	3.76	3.60	4.07	3.87	3.32	4.14
Louisiana	4.41	3.27	3.15	2.94	2.92	2.77	2.54	2.66
Maine	NA	NA	5.42	5.80	5.16	4.60	4.93	4.98
Maryland	6.87	6.35	5.99	6.67	7.89	5.67	5.69	6.29
Massachusetts	R5.09	R6.34	R6.57	R6.42	R7.22	R5.96	5.23	5.85
Michigan	4.67	4.17	4.08	4.18	3.84	3.92	3.69	3.82
Minnesota	4.72	3.53	3.46	3.29	3.31	3.28	2.98	2.92
Mississippi	4.71	3.64	3.71	3.49	3.52	3.35	3.24	3.25
Missouri	5.13	5.03	5.04	4.65	5.12	4.87	4.42	4.94
Montana	3.75	4.44	5.88	4.22	4.51	4.40	3.44	3.33
Nebraska	4.70	3.68	3.65	3.77	3.70	3.51	3.38	3.59
Nevada	3.95	4.39	3.66	4.68	5.08	4.33	4.76	4.94
New Hampshire	NA	NA	5.39	NA	7.70	7.03	4.60	8.38
New Jersey	4.39	3.96	4.02	3.33	4.00	3.55	3.14	2.22
New Mexico	2.74	3.41	2.41	2.84	2.79	3.44	2.69	0.95
New York	4.97	5.30	NA	NA	4.98	5.13	3.89	4.10
North Carolina	4.24	3.61	4.21	4.71	5.13	5.04	3.78	3.44
North Dakota	4.68	13.05	3.21	3.07	3.02	3.17	2.80	2.91
Ohio	5.06	5.44	4.49	4.97	5.39	5.38	3.94	4.33
Oklahoma	4.73	3.68	3.68	3.87	4.10	3.94	3.51	3.93
Oregon	4.36	8.19	4.38	4.46	4.31	4.39	4.01	4.31
Pennsylvania	4.85	4.69	4.67	4.69	4.96	5.20	3.99	4.34
Rhode Island	5.42	4.77	4.67	5.34	5.54	2.61	4.40	5.44
South Carolina	5.15	4.10	4.01	3.94	4.16	4.03	3.39	3.60
South Dakota	4.03	3.83	3.39	3.52	3.46	3.37	3.35	3.76
Tennessee	5.96	5.57	5.03	4.32	4.36	4.20	3.72	4.43
Texas	4.25	3.31	3.08	2.80	2.72	2.55	2.55	2.53
Utah	3.02	3.16	2.69	3.44	3.39	3.45	2.94	3.60
Vermont	4.52	3.98	3.98	4.01	4.38	4.21	3.06	3.70
Virginia	3.91	4.15	NA	4.27	4.09	5.58	3.95	4.46
Washington	3.25	3.26	3.50	3.36	3.50	3.39	2.78	1.71
West Virginia	4.77	2.69	5.25	4.13	4.53	4.88	3.04	3.21
Wisconsin	5.43	4.02	4.45	4.26	4.32	4.24	4.05	3.72
Wyoming	3.69	3.53	3.36	3.28	3.30	3.34	3.30	3.32
Total	**R4.30**	**3.74**	**R3.64**	**R3.54**	**R3.70**	**R3.46**	**3.10**	**3.05**

See footnotes at end of table.

Table 23

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	November	October	September	August	July	June	May	April
Alabama	3.91	3.49	3.69	3.42	3.16	3.24	3.39	3.34
Alaska	1.34	1.29	1.16	1.33	1.27	1.24	1.21	1.18
Arizona	3.63	3.55	3.48	3.29	3.26	3.62	3.11	3.26
Arkansas	3.80	3.79	3.51	3.81	3.35	3.22	3.29	3.11
California	4.26	3.87	2.61	3.53	3.33	3.20	3.08	3.11
Colorado	3.32	3.00	2.87	2.75	2.66	2.60	2.76	2.65
Connecticut	4.60	4.08	3.90	3.80	3.52	3.68	3.68	3.96
Delaware	5.13	4.50	4.53	4.15	4.06	4.01	3.40	4.17
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.96	3.54	3.89	3.70	3.83	3.68	3.59	3.41
Georgia	4.27	4.24	4.22	3.64	4.38	3.46	3.31	2.96
Hawaii	8.19	8.29	8.28	8.04	8.04	8.31	8.52	8.02
Idaho	3.51	3.29	3.23	3.22	3.59	3.21	3.22	3.26
Illinois	4.76	5.17	4.56	4.39	4.17	4.03	3.85	3.17
Indiana	4.20	4.10	4.23	3.69	4.51	4.41	5.46	4.65
Iowa	4.97	4.65	4.61	3.98	2.31	6.05	3.54	3.28
Kansas	3.76	3.39	2.83	2.63	2.55	2.51	2.97	2.98
Kentucky	3.67	3.36	3.38	3.28	3.01	2.92	3.11	2.92
Louisiana	3.54	2.70	2.93	2.73	2.50	2.37	2.21	2.34
Maine	4.71	4.60	4.44	4.58	4.38	4.37	4.40	6.11
Maryland	5.75	5.66	6.75	4.86	5.92	6.01	6.26	4.64
Massachusetts	5.54	4.98	5.31	4.71	5.64	4.30	5.10	5.36
Michigan	2.42	4.05	4.29	4.48	4.68	4.17	3.79	3.65
Minnesota	3.68	3.92	3.45	2.70	2.85	2.58	3.05	2.51
Mississippi	3.86	3.44	3.69	3.42	3.10	3.10	3.23	3.00
Missouri	4.34	4.42	4.14	3.93	3.70	3.92	3.90	3.98
Montana	3.36	4.01	4.33	4.60	4.30	4.54	3.28	3.63
Nebraska	4.09	3.62	3.67	3.50	3.15	3.40	3.15	3.04
Nevada	4.98	4.64	4.97	4.92	4.84	4.89	4.75	4.64
New Hampshire	5.77	3.75	3.75	3.64	3.48	3.61	1.54	2.07
New Jersey	2.39	1.86	7.88	1.31	1.70	1.67	1.68	5.25
New Mexico	2.29	3.19	2.58	2.45	2.85	3.79	1.72	2.51
New York	4.13	4.09	3.93	3.92	2.96	2.55	3.16	3.89
North Carolina	4.81	5.72	3.85	3.17	3.10	3.29	3.14	3.16
North Dakota	3.45	3.15	3.25	3.01	2.74	2.60	2.78	2.38
Ohio	4.15	3.99	3.86	4.47	5.00	4.12	2.61	3.91
Oklahoma	3.85	3.36	3.38	3.20	3.36	3.33	4.55	3.16
Oregon	4.19	3.94	4.08	4.01	3.93	3.94	3.96	3.89
Pennsylvania	4.07	3.92	3.71	3.64	3.51	3.60	3.72	3.98
Rhode Island	5.05	5.07	4.60	2.86	4.30	3.61	4.10	3.86
South Carolina	4.17	3.75	3.82	3.52	3.17	3.29	3.13	2.85
South Dakota	3.68	3.75	3.84	3.50	3.52	3.53	3.25	3.01
Tennessee	4.52	4.19	3.07	4.42	2.90	3.60	3.47	3.43
Texas	2.94	2.78	2.83	2.70	2.54	2.42	2.58	2.08
Utah	2.96	2.83	2.86	2.78	2.78	2.79	2.85	2.91
Vermont	3.53	3.37	3.21	3.00	2.81	2.80	2.78	2.72
Virginia	5.97	3.39	3.34	2.87	3.40	3.49	3.40	3.16
Washington	3.50	2.85	3.14	2.79	3.02	2.59	2.82	2.34
West Virginia	3.97	3.60	3.36	3.18	3.09	2.93	2.97	2.90
Wisconsin	4.93	3.78	4.33	3.98	3.47	3.63	3.55	4.00
Wyoming	3.29	3.31	3.17	3.36	3.39	3.28	3.27	2.75
Total	**3.51**	**3.20**	**3.41**	**2.99**	**2.86**	**2.81**	**2.86**	**3.00**

R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				October	September	August	July	June
Alabama	4.72	2.78	2.55	6.70	4.84	4.94	4.37	4.68
Alaska	1.73	1.59	1.82	1.97	1.82	1.77	1.75	1.63
Arizona	4.39	2.65	2.40	5.49	4.93	4.45	4.70	4.75
Arkansas	4.00	2.60	2.28	5.31	5.24	4.43	4.69	4.72
California	4.60	2.74	2.77	6.19	6.01	4.85	4.68	4.87
Colorado	3.57	2.68	2.83	4.00	3.73	3.94	4.06	3.96
Connecticut	—	2.66	2.42	—	—	—	—	—
Delaware	4.83	2.87	2.80	7.84	6.53	5.30	6.05	5.10
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.41	3.07	2.33	6.35	5.54	4.73	5.10	5.15
Georgia	4.25	2.54	3.21	5.35	5.38	4.02	4.21	4.19
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	4.54	2.41	2.25	6.50	6.30	4.38	4.74	5.11
Indiana	4.86	2.95	2.87	6.61	5.97	4.38	4.43	5.80
Iowa	4.39	3.07	2.98	5.98	5.43	4.57	4.61	5.25
Kansas	3.99	2.35	2.12	5.12	4.91	4.41	3.99	3.87
Kentucky	5.37	3.16	3.11	6.26	5.28	4.73	5.09	6.06
Louisiana	4.16	2.56	2.39	5.62	5.19	4.47	4.64	4.75
Maine	—	—	—	—	—	—	—	—
Maryland	4.61	3.08	2.75	—	5.90	5.17	4.69	4.95
Massachusetts	4.45	2.69	2.81	5.94	5.58	5.07	4.74	4.97
Michigan	2.94	1.51	1.23	1.88	5.29	3.26	3.13	3.17
Minnesota	4.23	2.51	2.40	5.73	3.82	4.70	4.76	4.28
Mississippi	3.80	2.46	2.34	5.44	5.10	4.31	3.74	4.44
Missouri	4.33	2.63	2.22	5.37	5.27	4.73	4.45	4.51
Montana	4.82	4.25	3.99	7.46	4.54	5.26	5.35	4.94
Nebraska	4.57	2.70	2.36	5.51	5.62	4.43	4.78	4.33
Nevada	4.01	2.47	2.39	4.87	5.07	4.56	4.13	4.19
New Hampshire	3.27	2.87	—	—	—	—	—	—
New Jersey	4.38	3.06	2.73	—	5.42	—	5.19	4.77
New Mexico	3.68	2.30	2.22	4.82	4.58	4.35	4.38	4.27
New York	4.47	2.80	2.56	6.07	5.73	4.72	4.70	4.82
North Carolina	4.45	2.84	2.72	5.60	5.54	4.90	4.28	4.27
North Dakota	—	—	—	—	—	—	—	—
Ohio	4.67	2.99	3.48	5.89	6.39	5.97	5.35	3.39
Oklahoma	4.24	2.72	2.48	5.83	5.10	4.39	4.54	4.67
Oregon	2.60	1.88	1.44	2.71	2.67	2.40	2.81	3.35
Pennsylvania	3.73	3.02	3.15	5.77	—	—	3.18	5.09
Rhode Island	—	—	3.38	—	—	—	—	—
South Carolina	5.57	3.63	3.60	6.55	6.34	6.26	5.42	5.36
South Dakota	—	—	1.77	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.93	2.48	2.31	5.34	4.80	4.31	4.34	4.40
Utah	3.60	2.60	2.06	4.66	3.57	3.60	3.58	3.79
Vermont	4.65	3.22	2.90	5.60	5.56	4.70	4.40	4.66
Virginia	4.54	3.13	2.98	7.65	7.53	5.31	5.06	5.48
Washington	—	—	2.79	—	—	—	—	—
West Virginia	4.71	2.98	3.64	6.15	4.87	5.52	5.84	4.19
Wisconsin	4.20	2.91	2.68	5.92	5.29	4.77	4.94	4.86
Wyoming	3.96	4.18	8.44	1.09	8.55	4.61	3.42	4.27
Total	**4.00**	**2.59**	**2.38**	**5.21**	**4.90**	**4.30**	**4.36**	**4.46**

See footnotes at end of table.

Table 24

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000					1999		
	May	April	March	February	January	Total	December	November
Alabama	4.75	3.45	1.41	2.94	4.94	2.98	3.72	3.09
Alaska	1.74	1.75	1.63	1.64	1.62	1.59	1.57	1.55
Arizona	3.77	3.40	3.01	2.94	2.64	2.67	2.62	3.04
Arkansas	3.79	3.20	2.99	2.86	2.84	2.59	2.60	2.56
California	4.19	3.54	3.38	3.23	2.83	2.76	2.74	3.00
Colorado	3.48	3.08	2.86	2.78	2.51	2.65	2.66	2.84
Connecticut	—	—	—	—	—	2.74	3.20	3.06
Delaware	4.20	5.87	5.86	5.87	3.61	2.98	3.81	3.70
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.89	3.68	3.36	3.33	3.03	3.10	2.95	3.56
Georgia	3.93	3.89	3.41	11.20	1.20	2.57	2.85	3.65
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.64	3.57	3.11	3.14	2.78	2.41	2.37	2.25
Indiana	4.42	4.19	3.52	3.31	3.29	2.97	3.26	4.05
Iowa	3.81	3.43	3.26	3.19	3.00	3.15	3.14	3.12
Kansas	3.54	3.15	2.92	2.69	2.56	2.36	2.57	2.87
Kentucky	7.17	5.83	4.93	3.59	3.17	3.49	2.93	4.25
Louisiana	3.62	3.22	2.97	2.96	2.71	2.59	2.49	3.09
Maine	—	—	—	—	—	—	—	—
Maryland	4.16	3.69	3.35	3.72	3.84	3.20	3.60	3.68
Massachusetts	3.97	3.67	3.40	3.42	2.98	2.72	3.39	2.88
Michigan	2.85	3.16	3.19	2.06	1.78	1.53	1.58	1.69
Minnesota	3.54	3.27	3.13	3.56	2.62	2.69	3.23	4.20
Mississippi	3.76	3.17	2.84	2.94	2.66	2.49	2.52	2.56
Missouri	3.77	3.23	2.99	2.85	2.75	2.66	2.78	3.00
Montana	3.37	3.53	3.88	3.71	4.13	2.01	1.39	1.44
Nebraska	4.07	3.53	3.31	3.24	2.87	2.80	3.05	4.18
Nevada	3.56	3.03	2.90	2.69	2.99	2.51	2.72	2.78
New Hampshire	3.70	3.47	3.19	3.18	—	2.67	—	—
New Jersey	3.79	3.77	3.51	4.15	4.98	3.08	3.69	3.08
New Mexico	3.35	2.99	2.66	2.58	2.47	2.31	2.39	2.40
New York	3.97	3.55	3.47	4.20	3.96	2.85	3.14	3.19
North Carolina	3.70	3.82	4.28	4.35	4.21	2.92	4.72	4.70
North Dakota	—	—	—	—	—	—	—	—
Ohio	5.49	1.25	4.03	4.60	3.46	3.15	4.20	3.11
Oklahoma	3.73	3.30	3.20	3.44	3.08	2.79	3.07	3.43
Oregon	2.75	2.50	2.27	2.20	2.22	1.96	2.20	2.26
Pennsylvania	3.42	3.25	3.07	3.35	3.24	3.03	3.08	3.15
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	5.03	4.39	4.07	7.47	8.54	3.57	4.06	3.80
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.50	3.06	2.83	2.73	2.59	2.51	2.60	2.94
Utah	3.45	3.13	2.96	2.83	2.86	2.65	2.68	3.14
Vermont	3.83	3.56	3.32	3.33	3.09	3.23	2.92	3.78
Virginia	4.09	4.00	3.21	4.01	3.23	3.16	3.69	3.96
Washington	—	—	—	—	—	—	—	—
West Virginia	3.75	4.19	4.10	3.07	4.36	3.00	—	2.95
Wisconsin	3.80	3.49	3.23	3.16	3.22	2.93	2.97	3.44
Wyoming	3.72	3.31	2.94	2.70	2.82	3.89	1.98	2.39
Total	**3.61**	**3.22**	**2.99**	**2.95**	**2.74**	**2.62**	**2.68**	**3.01**

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	October	September	August	July	June	May	April	March
Alabama	3.95	3.64	2.28	3.26	2.73	2.70	2.52	2.25
Alaska	1.48	1.40	1.50	1.62	1.59	1.61	1.60	1.72
Arizona	2.96	3.03	2.84	2.56	2.62	2.67	2.22	2.13
Arkansas	2.90	3.06	2.96	2.58	2.49	2.52	2.22	1.88
California	2.98	3.19	3.00	2.71	2.57	2.73	2.42	2.75
Colorado	3.13	2.94	2.52	2.53	3.18	2.60	2.25	2.18
Connecticut	3.02	2.88	2.65	2.59	2.52	2.50	2.54	2.12
Delaware	3.34	3.35	3.06	2.72	2.71	2.53	2.46	2.46
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.22	3.54	3.33	2.98	3.04	3.14	2.66	2.58
Georgia	3.13	2.62	2.66	2.60	2.47	2.58	2.13	1.37
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.15	2.86	2.72	2.48	2.44	2.36	2.20	1.86
Indiana	4.56	4.04	2.86	2.82	2.79	3.19	3.14	2.71
Iowa	3.54	3.52	2.94	2.93	2.97	3.01	2.78	3.13
Kansas	2.81	2.73	2.60	2.31	2.35	2.35	2.08	1.80
Kentucky	3.45	3.33	3.26	2.88	3.15	5.12	3.77	3.33
Louisiana	2.87	3.07	2.91	2.55	2.52	2.58	2.25	2.01
Maine	—	—	—	—	—	—	—	—
Maryland	3.25	3.29	3.44	2.98	2.88	3.27	2.55	2.60
Massachusetts	3.10	2.99	2.99	2.73	2.75	2.58	2.26	2.10
Michigan	0.96	1.19	1.55	1.92	1.79	1.74	1.09	0.88
Minnesota	3.52	3.08	1.93	2.60	2.48	2.32	2.31	2.56
Mississippi	2.82	2.79	2.79	2.43	2.43	2.45	2.30	1.91
Missouri	3.06	2.81	2.91	2.54	2.48	2.41	2.31	2.16
Montana	2.48	5.15	6.14	4.20	4.40	10.99	5.69	7.37
Nebraska	2.89	3.05	3.24	2.59	2.63	2.72	2.46	1.37
Nevada	2.68	2.78	2.49	2.43	2.46	2.43	2.55	2.07
New Hampshire	—	3.02	3.02	2.43	2.44	—	—	—
New Jersey	3.35	3.24	3.37	2.97	2.88	2.85	2.94	2.46
New Mexico	2.58	2.69	2.68	2.30	2.31	2.22	2.05	1.79
New York	3.28	3.20	3.05	2.80	2.72	2.71	2.49	2.37
North Carolina	3.61	3.11	3.09	2.56	2.70	2.71	3.31	3.32
North Dakota	—	—	—	—	—	—	—	—
Ohio	3.11	2.91	2.98	3.34	2.99	2.42	2.06	2.99
Oklahoma	3.15	3.18	2.94	2.65	2.59	2.66	2.58	2.28
Oregon	2.00	1.83	1.66	1.78	1.99	1.91	1.79	1.67
Pennsylvania	3.09	2.95	3.12	3.40	2.36	3.18	2.55	3.02
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	3.84	3.99	3.85	3.47	3.70	3.46	2.94	3.02
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.76	2.88	2.83	2.44	2.40	2.44	2.17	1.99
Utah	3.12	2.85	2.67	2.39	2.43	2.36	2.36	2.56
Vermont	2.17	3.25	3.31	—	2.94	3.03	2.56	2.44
Virginia	4.29	3.35	3.42	2.78	3.39	2.89	2.79	3.09
Washington	—	—	—	—	—	—	—	—
West Virginia	2.88	2.91	2.93	3.13	3.08	2.81	3.12	2.96
Wisconsin	3.29	3.45	2.99	2.90	2.80	2.92	2.63	2.51
Wyoming	3.95	5.75	4.59	3.14	2.60	6.59	13.06	6.02
Total	**2.83**	**2.98**	**2.86**	**2.58**	**2.53**	**2.57**	**2.29**	**2.15**

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— Not Applicable.

Notes: Data for 1998 and 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000

State	YTD 2000		YTD 1999		YTD 1998		2000 November	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	75.9	15.7	70.7	21.8	81.0	23.5	67.5	17.8
Alaska	73.1	93.4	54.4	99.3	49.7	99.3	72.2	99.6
Arizona	82.3	37.4	82.6	35.7	85.1	33.4	83.3	47.0
Arkansas	NA	NA	88.9	9.5	91.1	9.1	NA	14.2
California	55.4	4.9	57.0	8.7	48.6	9.4	55.6	5.6
Colorado	96.0	12.6	97.4	13.2	94.2	12.7	95.4	0.2
Connecticut	78.9	48.1	62.9	56.5	69.5	55.3	75.8	55.5
Delaware	98.1	11.0	98.9	17.1	100.0	22.2	97.5	15.0
District of Columbia	35.1	—	45.5	—	51.6	—	26.5	—
Florida	62.5	2.7	94.6	5.4	96.7	7.0	57.9	2.6
Georgia	NA	NA	69.7	23.3	84.1	25.6	NA	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	—	100.0	100.0
Idaho	85.7	2.6	86.0	2.7	86.4	2.5	82.4	2.3
Illinois	40.2	8.1	42.7	9.0	47.8	9.0	43.9	10.5
Indiana	NA	8.4	78.2	5.5	78.7	9.3	79.7	15.4
Iowa	78.4	6.5	83.3	7.3	85.2	6.6	80.5	8.3
Kansas	NA	NA	67.6	10.5	70.5	10.2	NA	NA
Kentucky	84.8	14.1	87.6	18.2	87.3	17.2	85.3	13.7
Louisiana	NA	8.9	94.0	8.5	94.9	8.1	94.0	9.8
Maine	NA	NA	100.0	78.0	100.0	87.7	NA	NA
Maryland	NA	5.5	32.8	5.7	36.5	6.6	39.1	2.5
Massachusetts	57.7	13.0	58.3	18.3	56.0	13.2	55.6	33.6
Michigan	56.9	7.1	55.9	8.8	59.0	8.1	59.7	9.8
Minnesota	NA	38.4	97.2	39.3	97.8	39.6	97.5	43.7
Mississippi	NA	NA	96.0	26.5	94.7	37.5	94.3	47.5
Missouri	78.4	NA	78.4	18.2	78.2	18.2	72.1	13.1
Montana	80.4	2.0	79.0	1.6	77.2	1.5	87.3	0.1
Nebraska	61.4	14.2	66.1	13.8	75.8	12.2	69.6	18.3
Nevada	53.4	4.3	60.3	7.8	70.3	4.5	54.7	20.0
New Hampshire	NA	NA	93.3	23.8	94.0	31.3	NA	NA
New Jersey	NA	NA	55.6	45.9	60.6	47.1	50.8	19.8
New Mexico	NA	NA	61.9	16.5	64.8	10.3	NA	NA
New York	NA	NA	57.4	4.5	52.7	5.7	NA	NA
North Carolina	95.1	48.6	94.2	49.9	90.7	32.1	89.5	24.3
North Dakota	NA	14.2	87.8	14.2	83.3	14.2	91.8	19.5
Ohio	40.3	2.6	46.1	3.9	55.7	4.2	39.0	3.7
Oklahoma	69.4	NA	71.3	3.8	73.4	3.5	70.9	3.7
Oregon	99.1	14.9	98.8	13.8	99.0	14.3	99.0	32.1
Pennsylvania	NA	NA	56.5	11.3	56.5	13.0	70.1	18.3
Rhode Island	53.6	10.0	51.6	4.2	60.1	7.3	46.5	100.0
South Carolina	98.4	83.6	97.3	86.3	98.0	86.7	95.1	78.5
South Dakota	NA	27.1	80.8	36.6	84.1	34.4	NA	24.5
Tennessee	NA	23.4	88.1	34.9	87.1	33.1	89.8	25.3
Texas	NA	NA	76.6	23.1	80.6	14.2	77.2	NA
Utah	83.6	10.1	82.1	9.8	82.0	8.5	85.7	98.7
Vermont	100.0	83.2	100.0	76.0	100.0	100.0	100.0	83.9
Virginia	NA	NA	66.6	11.8	71.6	12.6	69.7	26.1
Washington	NA	NA	89.1	24.2	86.6	19.6	86.8	26.0
West Virginia	50.8	2.6	51.3	11.3	48.7	6.2	56.3	4.0
Wisconsin	78.6	19.1	78.3	20.0	73.1	21.7	79.1	24.3
Wyoming	NA	NA	89.5	3.0	89.0	2.0	NA	5.1
Total	**63.7**	**15.5**	**65.9**	**17.0**	**66.8**	**15.3**	**65.9**	**18.5**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	2000							
	October		September		August		July	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	68.1	16.1	70.5	15.2	74.1	15.1	73.6	14.4
Alaska	73.4	99.6	75.1	99.7	76.9	99.9	77.3	99.9
Arizona	78.0	40.3	81.1	34.0	84.5	34.7	81.9	33.3
Arkansas	NA	NA	NA	10.6	100.0	NA	NA	NA
California	56.5	4.6	49.2	4.2	46.4	4.1	51.7	4.5
Colorado	95.4	0.4	95.9	1.8	96.6	3.2	96.7	3.3
Connecticut	79.9	57.8	82.7	36.9	81.1	64.3	83.1	50.3
Delaware	97.8	7.7	94.9	12.0	98.4	9.1	98.7	3.2
District of Columbia	22.9	—	19.9	—	21.7	—	28.6	—
Florida	58.9	3.6	58.0	3.5	59.7	3.3	60.3	3.2
Georgia	NA	NA	15.7	30.0	15.6	22.5	15.8	31.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	75.7	2.3	80.2	1.9	81.7	2.5	83.5	2.2
Illinois	32.9	6.3	32.9	6.1	28.9	4.8	26.2	5.6
Indiana	NA	9.3	NA	9.3	67.6	8.0	68.4	7.9
Iowa	74.9	7.3	69.1	5.9	75.4	4.6	69.0	3.7
Kansas	78.2	7.3	81.2	14.8	80.5	18.4	79.6	18.9
Kentucky	82.4	13.6	80.2	12.7	79.2	15.1	79.8	13.7
Louisiana	96.2	7.4	96.3	8.2	NA	7.1	96.2	9.6
Maine	NA	NA	NA	NA	NA	NA	NA	NA
Maryland	35.3	10.3	27.8	8.9	30.6	3.6	27.1	8.7
Massachusetts	R53.1	R22.6	R62.4	R27.8	R44.9	R23.3	R44.6	R23.6
Michigan	50.2	7.7	43.0	4.5	41.1	4.5	36.6	4.8
Minnesota	98.9	42.3	99.0	33.7	98.6	41.2	97.2	37.0
Mississippi	NA	NA	NA	NA	100.0	68.3	94.7	35.1
Missouri	R66.7	NA	80.6	23.9	65.5	14.4	67.5	10.4
Montana	83.6	0.1	79.7	—	75.7	—	74.7	—
Nebraska	64.8	16.5	62.3	6.9	64.3	15.0	67.1	6.0
Nevada	48.3	14.2	44.3	9.6	42.2	11.1	36.4	20.2
New Hampshire	NA	NA	NA	NA	NA	NA	NA	NA
New Jersey	77.1	19.7	NA	NA	NA	NA	23.2	NA
New Mexico	73.9	30.6	41.7	30.8	54.3	28.4	49.0	20.5
New York	NA	50.1	NA	57.0	NA	NA	NA	22.5
North Carolina	99.5	61.7	99.8	59.0	84.5	26.4	100.0	65.3
North Dakota	88.0	11.7	82.6	9.0	83.8	9.8	80.4	16.0
Ohio	35.1	1.1	31.8	1.0	30.1	0.8	29.9	1.2
Oklahoma	56.0	3.3	45.5	NA	49.3	3.9	47.8	3.8
Oregon	99.0	33.7	98.7	16.3	98.8	13.1	98.9	15.7
Pennsylvania	NA	NA	NA	9.2	50.7	9.0	54.1	11.9
Rhode Island	40.6	100.0	39.5	100.0	40.1	100.0	42.3	100.0
South Carolina	100.0	84.5	100.0	85.2	95.2	78.8	100.0	85.6
South Dakota	79.7	26.6	70.9	13.1	77.7	10.9	72.7	14.2
Tennessee	85.9	21.5	74.0	21.4	85.7	20.9	83.8	27.2
Texas	77.0	8.7	79.2	16.1	NA	NA	NA	NA
Utah	80.3	94.0	80.3	94.2	75.2	94.6	77.9	94.3
Vermont	100.0	82.3	100.0	82.9	100.0	79.6	100.0	81.0
Virginia	NA	R17.1	62.9	13.9	56.3	16.8	55.0	12.6
Washington	NA	NA	89.0	36.2	88.0	27.3	89.3	28.6
West Virginia	47.6	2.6	32.9	2.1	33.7	2.0	31.3	2.3
Wisconsin	72.4	18.5	64.5	16.2	66.9	15.4	66.2	15.0
Wyoming	59.9	3.5	22.0	4.6	NA	NA	23.5	2.8
Total	**R63.6**	**12.3**	**R58.9**	**13.5**	**R56.5**	**15.1**	**R57.0**	**R15.8**

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	2000							
	June		May		April		March	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	71.6	14.2	75.4	13.9	73.7	16.5	76.3	14.9
Alaska	81.7	99.9	68.1	99.8	73.7	99.9	74.8	99.8
Arizona	82.5	38.6	80.6	32.8	81.5	27.5	82.7	38.7
Arkansas	NA	NA	NA	NA	NA	NA	NA	13.1
California	57.3	5.1	55.3	5.5	56.5	6.2	58.7	6.1
Colorado	97.2	1.9	96.9	0.8	97.1	0.4	96.6	0.3
Connecticut	80.7	45.4	79.4	53.2	77.1	30.6	79.4	45.9
Delaware	98.3	9.6	98.6	7.3	98.6	11.0	97.2	17.2
District of Columbia	28.0	—	30.0	—	34.2	—	37.4	—
Florida	61.7	4.3	63.5	3.7	64.4	4.1	65.8	3.2
Georgia	NA	NA	19.2	34.9	15.0	30.5	15.8	29.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	85.0	1.9	82.8	2.3	88.1	2.8	87.7	3.6
Illinois	25.9	4.9	32.5	4.6	40.4	7.4	44.1	8.0
Indiana	67.5	8.2	72.0	5.7	79.6	8.0	80.0	8.4
Iowa	66.2	7.1	51.6	4.7	77.1	5.5	83.8	8.7
Kansas	80.4	13.5	82.3	8.4	80.2	6.0	74.9	7.6
Kentucky	76.3	15.6	77.3	14.3	84.2	14.2	84.5	14.2
Louisiana	96.7	9.4	96.8	8.2	97.4	8.2	97.1	8.2
Maine	NA	NA	NA	NA	100.0	55.1	NA	57.1
Maryland	22.9	4.4	27.2	5.7	27.5	1.4	35.1	6.1
Massachusetts	R45.0	R30.2	R50.3	R28.8	R52.8	R26.8	R56.3	R38.0
Michigan	41.6	5.8	50.8	7.2	56.0	9.3	61.0	10.1
Minnesota	96.3	24.9	98.3	59.6	96.1	39.6	95.9	38.9
Mississippi	92.1	46.3	93.7	45.9	95.1	43.0	96.0	43.4
Missouri	68.9	10.8	74.8	12.1	78.9	15.3	81.7	16.4
Montana	70.4	—	74.5	0.1	77.0	0.1	81.9	0.2
Nebraska	47.8	11.4	53.1	17.2	55.7	15.1	58.9	17.0
Nevada	46.0	14.0	48.0	16.2	53.6	19.2	60.6	26.5
New Hampshire	86.0	NA	87.6	NA	85.7	38.2	NA	NA
New Jersey	43.7	31.3	70.4	26.9	41.4	26.3	41.3	26.5
New Mexico	44.2	21.3	53.5	17.4	29.9	19.1	61.4	14.0
New York	53.7	17.4	NA	16.4	NA	NA	NA	NA
North Carolina	100.0	66.8	100.0	62.2	99.8	59.6	91.6	27.9
North Dakota	82.8	5.0	82.4	12.8	72.0	13.3	89.4	18.3
Ohio	26.2	1.4	38.6	1.6	41.7	2.2	39.7	2.6
Oklahoma	72.0	3.1	60.8	5.3	70.2	6.0	73.6	6.8
Oregon	99.1	16.7	99.1	9.2	99.1	16.7	99.2	19.4
Pennsylvania	57.5	10.2	56.1	8.8	57.1	10.0	59.9	9.1
Rhode Island	46.7	100.0	61.2	100.0	49.5	100.0	60.7	100.0
South Carolina	100.0	85.4	100.0	87.2	100.0	87.2	95.6	80.1
South Dakota	73.5	18.8	79.1	31.6	95.7	44.1	68.6	45.5
Tennessee	NA	21.8	89.4	21.6	90.7	22.1	92.8	24.5
Texas	80.6	19.9	81.9	16.5	80.1	17.3	81.1	20.0
Utah	77.9	95.1	77.0	94.4	79.4	92.0	84.2	94.9
Vermont	100.0	92.4	100.0	82.0	100.0	81.5	100.0	80.8
Virginia	53.3	11.1	53.7	16.3	64.8	NA	65.1	18.8
Washington	90.9	26.9	91.1	29.9	93.0	23.1	94.6	31.5
West Virginia	34.4	2.2	46.1	1.9	49.3	2.7	48.1	2.8
Wisconsin	68.3	15.5	73.6	11.8	79.1	18.9	81.4	19.3
Wyoming	22.3	16.5	33.0	2.5	42.7	2.0	52.2	2.8
Total	**R59.8**	**R15.3**	**R62.6**	**14.5**	**R63.6**	**15.4**	**R63.8**	**R15.8**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	2000				1999			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	83.6	18.1	79.5	17.0	70.5	21.8	69.1	21.8
Alaska	71.1	99.8	69.6	99.8	55.4	99.1	62.2	97.5
Arizona	83.1	40.8	84.5	42.0	82.5	36.2	81.3	42.2
Arkansas	NA	13.2	NA	NA	89.3	10.1	91.9	10.6
California	59.8	7.0	58.0	6.4	57.4	12.9	58.1	11.4
Colorado	93.3	0.3	96.7	0.3	97.5	7.1	98.1	2.5
Connecticut	80.8	52.9	73.9	43.3	62.9	55.8	62.3	50.1
Delaware	98.2	11.8	98.2	14.5	98.8	16.6	98.0	12.6
District of Columbia	49.3	—	48.9	—	46.0	—	50.3	—
Florida	67.6	2.5	65.8	3.8	94.5	5.0	92.8	5.3
Georgia	13.5	31.8	8.8	26.3	61.0	23.9	9.5	35.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	89.1	3.7	89.5	3.3	86.0	2.7	85.6	2.5
Illinois	45.5	9.9	44.8	10.7	42.8	9.1	43.1	10.0
Indiana	81.7	6.7	75.0	9.3	78.3	5.8	79.3	7.2
Iowa	84.2	8.0	85.6	8.4	83.4	7.4	83.7	8.7
Kansas	77.1	5.0	72.6	4.3	66.7	10.1	59.9	5.7
Kentucky	88.5	12.2	87.8	15.5	88.0	18.4	90.0	20.1
Louisiana	98.0	7.9	93.9	8.2	93.8	8.5	91.8	8.2
Maine	100.0	55.1	100.0	56.3	100.0	78.2	100.0	80.4
Maryland	41.2	7.1	NA	8.8	33.4	6.5	37.4	6.8
Massachusetts	R66.2	R32.6	R71.0	R34.2	59.8	36.9	74.6	48.0
Michigan	64.5	13.8	63.7	12.5	56.6	11.1	61.5	10.5
Minnesota	95.1	34.2	NA	39.7	97.2	39.8	97.4	44.9
Mississippi	96.7	46.3	98.8	29.3	96.0	26.3	96.0	24.6
Missouri	85.5	17.1	83.3	23.1	78.6	18.5	80.5	22.6
Montana	82.9	0.2	79.7	0.2	79.9	1.7	85.5	2.7
Nebraska	66.0	19.1	61.9	20.0	66.6	14.2	70.0	20.4
Nevada	62.5	26.9	67.3	30.2	60.9	22.5	65.0	28.1
New Hampshire	94.9	32.7	93.9	28.0	93.2	24.3	92.4	30.6
New Jersey	42.4	23.4	38.1	26.1	56.0	47.9	60.2	45.0
New Mexico	62.7	13.9	63.8	9.0	62.9	16.4	69.9	16.0
New York	NA	33.6	NA	46.0	57.3	14.3	56.2	25.4
North Carolina	93.1	40.2	97.2	30.8	93.8	47.8	90.2	27.7
North Dakota	89.2	25.7	NA	22.8	88.3	14.9	91.2	23.1
Ohio	45.2	3.5	45.5	3.4	46.6	4.1	48.4	5.0
Oklahoma	80.4	7.7	81.4	7.8	71.8	3.9	74.8	5.3
Oregon	99.4	19.9	99.4	18.3	98.8	13.6	99.1	11.7
Pennsylvania	59.8	9.5	60.1	10.5	56.9	11.8	59.7	12.3
Rhode Island	62.7	100.0	57.1	100.0	53.3	6.5	69.9	5.2
South Carolina	99.8	82.6	98.0	80.3	97.1	86.1	96.1	84.6
South Dakota	84.6	44.8	85.2	48.2	81.2	37.0	83.4	40.9
Tennessee	91.9	24.7	95.3	26.0	88.8	34.7	94.2	32.1
Texas	86.1	19.2	74.2	25.3	77.3	23.7	82.2	38.7
Utah	88.6	94.5	87.1	93.2	82.9	9.5	86.9	6.7
Vermont	100.0	83.0	100.0	87.4	100.0	76.6	100.0	80.8
Virginia	69.1	17.1	74.2	22.7	67.5	12.1	73.2	14.3
Washington	93.9	31.4	94.5	34.0	89.4	24.0	91.3	22.5
West Virginia	71.0	2.7	57.3	3.5	51.8	10.8	55.6	6.8
Wisconsin	83.5	20.6	84.0	22.6	79.0	20.2	83.0	22.4
Wyoming	39.9	2.4	50.0	1.3	89.2	2.9	86.7	2.5
Total	**R67.7**	**R16.6**	**R66.6**	**R17.0**	**66.2**	**18.8**	**67.6**	**21.3**

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	58.3	20.7	51.9	20.5	55.7	20.8	54.0	20.5
Alaska	61.9	97.6	54.8	97.4	56.7	100.0	55.9	99.9
Arizona	78.7	42.9	79.7	38.5	79.7	40.9	78.8	33.4
Arkansas	85.2	11.3	84.9	11.2	86.4	10.3	86.8	8.8
California	54.5	10.0	55.7	10.9	51.5	14.3	39.3	10.3
Colorado	98.0	3.0	97.8	4.1	96.1	13.4	95.7	20.1
Connecticut	58.4	51.1	56.6	52.4	52.0	57.3	51.7	52.6
Delaware	98.2	13.6	98.4	9.2	98.3	10.4	98.3	15.4
District of Columbia	43.5	—	36.6	—	32.3	—	31.5	—
Florida	92.9	4.6	92.6	4.7	93.7	4.1	93.4	4.0
Georgia	11.0	26.1	14.5	26.7	37.8	18.3	72.2	32.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	82.4	2.5	78.9	2.1	80.4	2.1	82.0	3.4
Illinois	39.5	9.3	39.8	7.0	35.6	8.2	25.4	5.7
Indiana	76.9	6.0	67.8	4.2	67.8	3.4	66.9	4.7
Iowa	83.2	7.2	79.7	7.2	71.9	7.0	75.3	7.0
Kansas	54.5	9.4	59.0	9.4	64.2	17.4	56.5	17.8
Kentucky	85.8	17.5	84.3	20.1	83.9	17.6	80.9	17.8
Louisiana	93.2	10.1	93.4	8.9	93.3	9.3	94.2	9.0
Maine	100.0	73.3	100.0	77.5	100.0	76.4	100.0	74.5
Maryland	30.5	8.0	28.1	5.2	23.8	5.0	24.5	4.8
Massachusetts	70.3	55.3	71.4	60.8	70.3	38.5	66.2	42.1
Michigan	54.8	13.4	46.7	6.5	38.0	5.5	29.7	5.0
Minnesota	95.5	40.2	99.0	46.5	97.6	39.3	97.7	36.1
Mississippi	95.4	26.3	94.1	25.5	94.6	26.6	94.4	25.3
Missouri	72.7	16.4	71.1	13.1	66.6	13.0	67.4	12.0
Montana	82.0	2.6	80.2	1.5	75.4	0.8	68.5	0.5
Nebraska	69.6	17.6	78.8	12.5	60.9	9.8	86.8	8.9
Nevada	55.1	22.7	53.4	22.8	48.9	15.6	49.5	15.8
New Hampshire	91.9	31.4	89.5	26.1	88.7	23.4	88.2	22.8
New Jersey	56.1	40.8	56.0	57.1	58.5	46.5	53.3	32.9
New Mexico	69.7	25.0	64.8	17.8	54.3	24.6	45.8	19.2
New York	56.2	24.8	52.5	25.9	52.4	27.6	48.4	18.2
North Carolina	98.8	59.0	84.8	34.2	99.3	66.9	87.6	52.5
North Dakota	87.5	17.3	88.6	14.5	82.1	11.8	77.1	11.4
Ohio	39.8	3.1	40.1	2.7	33.4	1.9	34.8	1.8
Oklahoma	62.9	3.9	58.2	3.5	54.4	3.1	59.8	2.7
Oregon	99.0	11.9	98.2	11.9	98.3	12.1	98.5	11.8
Pennsylvania	52.2	11.9	50.1	10.6	49.0	9.5	45.2	9.9
Rhode Island	34.9	5.6	43.6	5.9	39.9	5.7	16.3	8.8
South Carolina	100.0	89.9	94.6	84.8	99.9	89.6	95.5	84.1
South Dakota	80.4	37.6	75.6	25.5	71.5	26.3	69.8	20.3
Tennessee	91.4	30.8	85.0	34.7	83.6	41.9	79.6	28.3
Texas	72.5	24.6	75.1	27.7	73.4	24.7	76.6	36.2
Utah	82.8	11.0	79.9	10.7	75.4	9.5	74.4	9.0
Vermont	100.0	77.8	100.0	75.9	100.0	70.5	100.0	67.3
Virginia	68.0	15.8	62.8	12.7	60.9	10.9	59.3	5.8
Washington	89.7	22.2	90.7	21.0	87.9	20.2	83.8	19.6
West Virginia	50.1	7.3	40.5	7.2	37.8	12.8	31.1	12.6
Wisconsin	77.3	19.6	77.0	20.3	67.1	15.7	67.8	15.3
Wyoming	82.3	2.3	83.4	3.4	85.2	2.5	69.2	2.5
Total	**63.0**	**17.7**	**61.7**	**17.5**	**60.0**	**17.5**	**56.6**	**18.8**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	57.8	20.9	60.2	22.3	73.1	21.6	80.7	21.9
Alaska	56.3	98.4	57.4	100.0	58.9	99.9	53.5	99.9
Arizona	81.5	35.6	82.2	37.2	82.6	42.4	82.7	30.6
Arkansas	83.7	8.5	83.0	7.9	83.8	8.8	89.7	9.3
California	54.1	11.3	62.2	12.3	51.4	13.7	62.7	14.8
Colorado	95.7	16.3	97.7	4.9	98.2	4.6	97.2	6.2
Connecticut	55.7	52.6	56.9	60.4	53.7	53.0	73.0	62.1
Delaware	98.4	15.3	98.2	16.7	98.7	22.7	98.9	17.9
District of Columbia	34.4	—	33.7	—	39.2	—	43.3	—
Florida	93.4	4.4	94.8	4.6	95.1	6.0	95.7	4.6
Georgia	71.0	24.8	72.2	22.3	80.4	22.5	84.8	27.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	83.6	2.8	83.3	2.8	85.5	2.3	87.0	2.6
Illinois	27.2	5.9	34.8	7.5	36.0	7.4	42.2	11.6
Indiana	57.1	3.4	74.3	4.0	76.9	3.8	78.3	4.8
Iowa	72.6	7.0	76.7	5.8	93.7	5.9	77.5	7.2
Kansas	54.8	14.9	59.2	7.8	63.9	7.6	70.2	7.3
Kentucky	81.1	18.0	81.8	14.5	85.5	18.4	85.0	18.2
Louisiana	93.7	8.3	95.2	7.5	94.4	7.4	95.6	7.3
Maine	100.0	72.0	100.0	74.8	100.0	74.6	100.0	72.9
Maryland	24.1	4.8	23.5	6.0	25.7	4.4	27.3	3.1
Massachusetts	60.8	35.6	34.2	23.0	43.5	26.1	38.0	25.5
Michigan	35.3	5.2	37.5	5.4	45.3	7.2	56.6	14.3
Minnesota	98.2	38.6	97.8	45.8	97.6	31.0	97.2	39.0
Mississippi	94.6	24.7	94.9	26.3	96.2	26.3	97.7	27.3
Missouri	49.5	11.2	72.7	13.9	77.3	14.3	82.6	17.5
Montana	70.1	1.0	65.3	0.4	75.6	1.7	78.1	1.7
Nebraska	69.2	6.4	63.9	13.2	67.5	16.6	65.6	18.6
Nevada	49.9	16.8	54.4	17.3	59.0	17.3	62.0	23.7
New Hampshire	88.6	21.9	89.4	20.1	92.3	22.2	94.2	27.2
New Jersey	54.9	47.7	52.0	47.9	48.7	47.3	53.2	50.6
New Mexico	53.6	18.6	59.1	22.5	47.7	15.2	63.1	5.8
New York	49.7	7.2	55.8	8.1	48.9	2.7	58.8	6.9
North Carolina	87.9	58.2	88.5	53.6	90.4	53.6	91.1	45.6
North Dakota	78.8	10.8	76.0	16.1	84.9	5.9	86.5	14.3
Ohio	32.6	1.2	31.8	2.1	36.3	3.4	40.7	3.7
Oklahoma	56.7	2.5	20.6	2.5	66.8	3.3	75.1	4.0
Oregon	98.8	12.2	98.6	14.0	98.7	14.0	98.7	15.0
Pennsylvania	51.7	11.3	50.4	11.5	57.2	12.0	55.1	11.6
Rhode Island	46.5	5.2	46.7	6.5	48.9	6.3	56.2	8.5
South Carolina	95.6	84.3	95.8	83.6	96.2	87.9	96.9	87.6
South Dakota	73.9	20.7	60.1	33.3	78.7	38.9	83.2	41.9
Tennessee	77.7	36.9	80.1	35.3	80.9	35.0	88.1	33.3
Texas	69.3	21.4	75.4	19.6	69.1	19.9	73.0	18.8
Utah	76.0	8.4	72.9	14.4	80.1	8.4	83.0	7.8
Vermont	100.0	69.4	100.0	69.5	100.0	69.6	100.0	77.0
Virginia	64.1	10.3	58.3	7.5	62.1	10.2	57.4	10.2
Washington	83.5	22.4	83.9	31.2	87.4	25.1	88.0	25.5
West Virginia	33.6	12.4	33.4	14.4	41.3	11.5	56.9	13.0
Wisconsin	64.4	18.6	61.6	16.5	65.4	17.2	77.6	20.5
Wyoming	83.6	3.4	85.0	3.8	88.6	3.8	89.6	2.7
Total	**58.2**	**15.7**	**61.1**	**15.8**	**61.1**	**16.0**	**65.4**	**16.6**

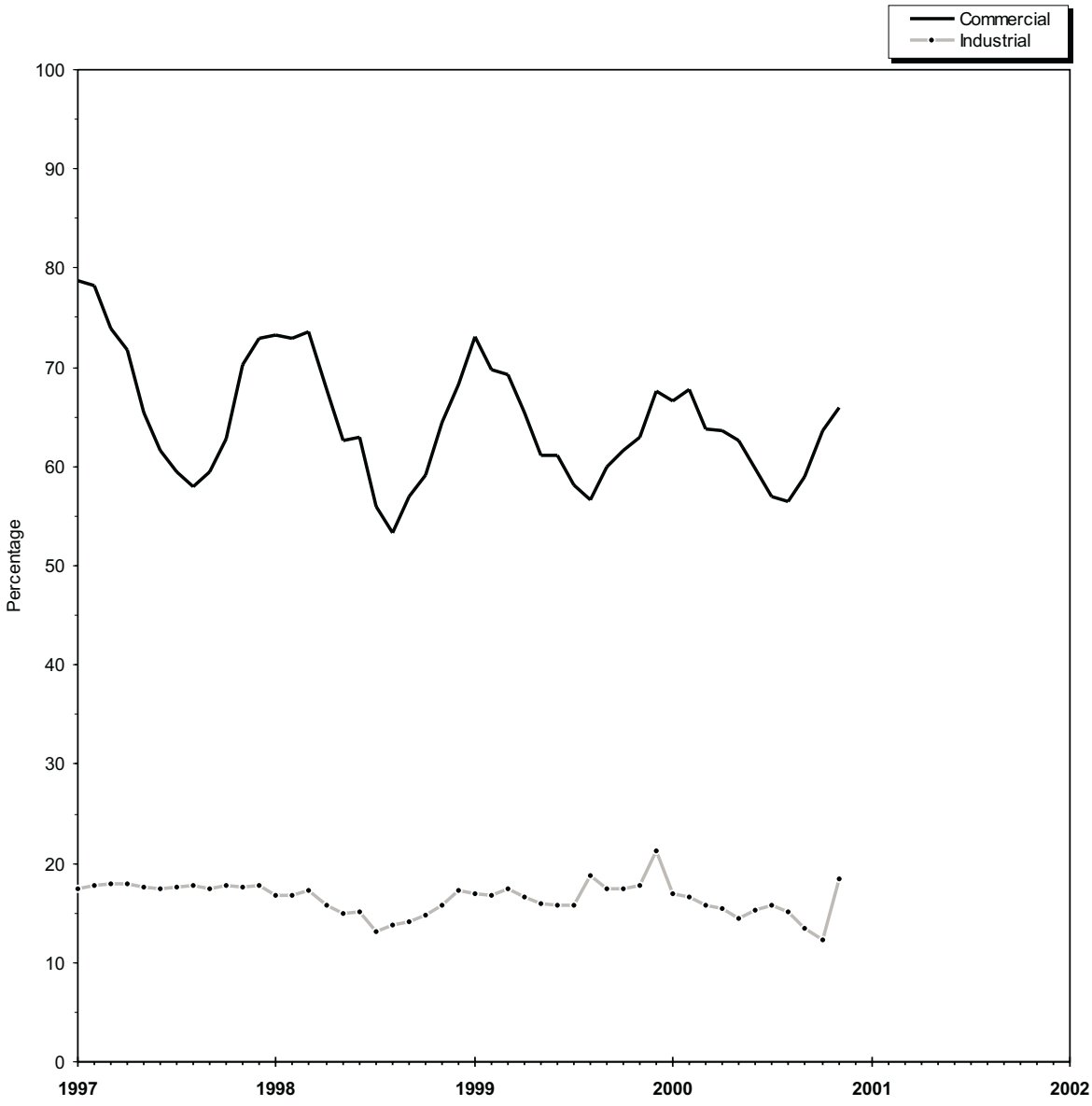
R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2000



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 26. Gas Home Customer-Weighted Heating Degree Days

Census Divisions	November 1 through November 30					December 1 through December 31				
	Normal[a]	1999	2000	Percent Change		Normal[a]	1999	2000	Percent Change	
				Normal to 2000	1999 to 2000				Normal to 2000	1999 to 2000
New England										
CT, ME, MA, NH, RI, VT	692	608	723	4.5	18.9	1,073	952	1,195	11.4	25.5
Middle Atlantic										
NJ, NY, PA	646	537	692	7.1	28.9	1,010	898	1,178	16.6	31.2
East North Central										
IL, IN, MI, OH, WI	730	592	788	7.9	33.1	1,142	1,051	1,441	26.2	37.1
West North Central										
IA, KS, MN, MO, ND, NE, SD	788	564	921	16.9	63.3	1,235	1,054	1,546	25.2	46.7
South Atlantic										
DE, FL, GA, MD and DC, NC, SC, VA, WV	421	356	499	18.5	40.2	696	648	897	28.9	38.4
East South Central										
AL, KY, MS, TN	431	350	507	17.6	44.9	717	667	977	36.3	46.5
West South Central										
AR, LA, OK, TX	280	198	397	41.8	100.5	533	469	724	35.8	54.4
Mountain										
AZ, CO, ID, MT, NV, NM, UT, WY	715	546	925	29.4	69.4	1,007	934	1,001	-0.6	7.2
Pacific[b]										
CA, OR, WA	342	310	445	30.1	43.5	518	470	475	-8.3	1.1
U.S. Average[b]	559	452	648	15.9	43.4	881	796	1,054	19.6	32.4

	January 1 through January 31					Cumulative November 1 through January 31				
	Normal[a]	2000	2001	Percent Change		Normal[a]	1999-2000	2000-2001	Percent Change	
				Normal to 2001	2000 to 2001				Normal to 2001	2000 to 2001
New England										
CT, ME, MA, NH, RI, VT	1,222	1,244	1,198	-2.0	-3.7	2,987	2,804	3,116	4.3	11.1
Middle Atlantic										
NJ, NY, PA	1,169	1,151	1,105	-5.5	-4.0	2,825	2,586	2,975	5.3	15.0
East North Central										
IL, IN, MI, OH, WI	1,314	1,247	1,220	-7.2	-2.2	3,186	2,890	3,449	8.3	19.3
West North Central										
IA, KS, MN, MO, ND, NE, SD	1,384	1,243	1,243	-10.2	0.0	3,407	2,861	3,710	8.9	29.7
South Atlantic										
DE, FL, GA, MD and DC, NC, SC, VA, WV	810	791	804	-0.7	1.6	1,927	1,795	2,200	14.2	22.6
East South Central										
AL, KY, MS, TN	843	762	871	3.3	14.3	1,991	1,779	2,355	18.3	32.4
West South Central										
AR, LA, OK, TX	631	467	644	2.1	37.9	1,444	1,134	1,765	22.2	55.6
Mountain										
AZ, CO, ID, MT, NV, NM, UT, WY	1,052	908	1,040	-1.1	14.5	2,774	2,388	2,966	6.9	24.2
Pacific[b]										
CA, OR, WA	526	451	540	2.7	19.7	1,386	1,231	1,460	5.3	18.6
U.S. Average[b]	995	919	954	-4.1	3.8	2,435	2,167	2,656	9.1	22.6

[a] Normal is based on calculations of data from 1961 through 1990.

[b] Excludes Alaska and Hawaii.

Note: See Appendix A, Explanatory Note 10 for discussion of Heating Degree-Days computations.

Sources: National Oceanic and Atmospheric Administration.

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the Natural Gas Monthly (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported of Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the Short-Term Energy Outlook.

For production, total supply and disposition, and storage data (Tables l, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production carbon dioxide, helium, hydrogen sulfide, and nitrogen are reported by State agencies on the voluntary Form EIA-895. Eleven of the 33 producing States reported data on nonhydrocarbon gases removed during 1999. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the Natural Gas Annual for the year in which the report month falls. States reporting monthly data on nonhydrocarbon gases removed are estimated based on annual data reported on Form EIA-895. States' nonhydrocarbon gases as an annual percentage of gross withdrawals reported is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the Natural Gas Annual for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the Natural Gas Annual. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the Natural Gas Annual for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data are the sums of monthly data reported on the annual Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," annual schedule.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports, which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports, informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the Natural Gas Annual.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the Natural Gas Annual. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation off sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the Natural Gas Annual. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the Natural Gas Annual. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the Natural Gas Annual. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the Natural Gas Annual for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the Natural Gas Annual.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the Natural Gas Annual. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the Natural Gas Annual.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and / or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States re-

ported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures closing price for near-month delivery at the Henry Hub, and prevailing cash market prices (spot prices) at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is reported in the trade publication, Gas Daily (published by Financial Times Energy). The spot prices are published in another trade publication, Natural Gas Week (Energy Intelligence Group), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through the present. A statistical procedure was adopted beginning with publication of the February 1999 issue of the Natural Gas Monthly. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of datareporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the Natural Gas Annual. For an explanation of the methodology involved in calculating annual "balancing item" data, see the Natural Gas Annual.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply / disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the Natural Gas Monthly is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas. form was approved for use beginning with report year 1990.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers were categorized as firm or interruptible. Commercial and

industrial consumers were categorized as nonutility power producers or as those excluding nonutility power producers.

Approval of the Form EIA-176 for use through 1999 was received in 1996 from OMB. The form was modified as outlined in the "Change in Definition of Consumption Sector" below.

After being approved by the OMB in 1999, the Form EIA-176 was revised to: (1) change the filing date from April 1 following the end of the report year to March 1 following the end of the report year, (2) remove the requirement to distinguish between firm and interruptible deliveries to consumers; and (3) remove the requirement to distinguish between gas volumes delivered to commercial and industrial consumers having nonutility generation of electricity from those not generating electricity.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and / or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 2000 for report year 1999 totaled 1,872 questionnaire packages. To this original mailing, 8 names were added and 18 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,847 responses from approximately 1,400 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,826 responses were entered into the data base, and there were 21 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year were due by March 1st. Extensions of the filing deadline for up to 30 days were granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the Natural Gas Annual.

Form-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month were added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period.

Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, all participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data on the quantities of nonhydrocarbon gases removed in 1999 were reported by the appropriate agencies of 11 of the 33 producing States. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (114,657), Colorado (380,081), and New Mexico (610,062).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, Natural Gas Annual.

EIA-191 Survey, "Underground Natural Gas Storage Report"

Survey Design

The Form EIA-191, "Monthly Underground Natural Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/ FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 140 companies that operate underground facilities file the Form EIA-191. The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the December submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publication Monthly Energy Review and Winter Fuels Report contain data from the EIA-191 survey.

"Quarterly Natural Gas Import and Export Sales and Price Report"

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the

Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf

of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the Form EIA-759, "Monthly Power Plant Report.") See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial,

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 387 respondent companies. Unlike previous years, no mergers or acquisitions were uncovered as a result of the initial mail-out. Therefore there was no need for either substitution of respondent companies or a reduction in the total number of respondents.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial

and the combined residential / commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value ($C_{.j}$) were included in the certainty stratum. The formula for $C_{.j}$ was:

$$C_{.j} = \frac{X_{.j}}{2n} \qquad (1)$$

where:

$C_{.j}$ = cutoff value for consumer sector j,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

$X_{i.}$ = the sum within State of annual gas volumes for company i,

$X_{.j}$ = the sum within State of annual gas volumes in consumer sector j,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors ($X_{i.}$). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n\frac{X2}{X_{..}} \qquad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X2 = the sum within State of the Xi. for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using.

A uniform random number R was selected between zero and $\left(I = \frac{X2}{m} \right)$ I. The first sampled company was the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than R + I. R + I was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X2 was the sum within State of the $X_{i.}$ for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Iowa: companies handling industrial gas and companies delivering only to residential or commercial customers.

Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sampled. The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_{.j}}{Y'_{.j}} \qquad (3)$$

where:

$Y_{.j}$ = the sum within State of annual gas volumes in consumer sector j for all companies,

$Y'_{.j}$ = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = {}_{y.j} \times E_{vj} \qquad (4)$$

where:

$V_{.j}$ = the State estimate of monthly gas volumes in consumer sector *j*,

$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector *j*.

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V'_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j,

R_j = the reported revenue from natural gas sales within the State in consumer sector j,

V_j = the reported volume of natural gas sales within the State in consumer sector j.

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_t - 1 \times \frac{y_{.jt}}{y_{.jt-1}} \qquad (5)$$

where:

F_t = imputed gas volume for current month t,

F_{t-1} = gas volume for the company for the previous month,

y_{jt} = gas volume reported by companies in the State stratum for report month t,

$y_{j\,t-1}$ = gas volume in the previous month for companies in the State stratum that reported in month t.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V^{*}_{jm} = V_{jm} + \left[(V_{ja} - V'_{jm})\left(\frac{V_{jm}}{V'_{jm}}\right) \right] \qquad (6)$$

where:

V^{*}_{jm} = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R^{*}_{jm} = R_{jm} + \left[(R_{ja} - R'_{jm})\left(\frac{R_{jm}}{R'_{jm}}\right) \right] \qquad (7)$$

where:

R^{*}_{jm} = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two

standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^{H} \left[N_h^2 \frac{(1 - \frac{n_h}{N_h}}{n_h(n_h - 1)} \left(\sum_{i=1} (y_i - Tx_i)^2 \right) \right] \quad (8)$$

where:

H = the total number of strata

N_h= the total number of companies in stratum h

n_h= the sample size in stratum h

y_i= the reported monthly volume for company i

x_i= the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, November 2000

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	399	193	2,947	2,980	0.68	1.35	3.42
Alaska	0	0	0	0	—	—	—
Arizona	0	0	0	0	—	—	—
Arkansas	NA	NA	35	NA	NA	NA	0.12
California	152	8	2,249	2,255	0.05	0.07	1.38
Colorado	2,498	836	1,307	2,940	0.96	1.18	3.60
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	117	42	1,694	1,699	0.97	1.47	2.87
Georgia	NA	NA	NA	NA	NA	NA	NA
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	801	3,405	4,792	5,933	0.43	0.43	0.34
Indiana	2,616	690	6,869	7,382	0.43	0.63	0.61
Iowa	70	180	234	303	0.09	0.09	0.27
Kansas	1,663	NA	NA	17,323	0.15	NA	NA
Kentucky	2,022	822	618	2,268	0.75	0.64	0.08
Louisiana	152	17	3,407	3,410	0.15	0.02	0.10
Maine	NA	NA	NA	NA	NA	NA	NA
Maryland	4	24	7	25	0.01	0.02	0.04
Massachusetts	0	0	0	0	—	—	—
Michigan	301	301	590	728	0.15	0.19	0.16
Minnesota	1,235	477	832	1,564	0.06	0.04	0.29
Mississippi	50	145	453	478	0.56	0.19	0.35
Missouri	0	0	0	0	—	—	—
Montana	1	8	0	8	0.02	0.02	—
Nebraska	160	190	304	393	0.06	0.21	0.16
Nevada	0	0	0	0	—	—	—
New Hampshire	NA	NA	NA	NA	NA	NA	NA
New Jersey	0	0	0	0	—	—	—
New Mexico	NA	NA	NA	NA	NA	NA	NA
New York	NA	NA	NA	NA	NA	NA	NA
North Carolina	101	94	320	348	0.03	0.02	3.01
North Dakota	0	0	0	0	—	—	—
Ohio	1,694	8,319	8,255	11,842	0.63	0.15	0.44
Oklahoma	687	1,852	1,878	2,725	0.11	0.56	5.22
Oregon	0	0	0	0	—	—	—
Pennsylvania	0	0	0	0	—	—	—
Rhode Island	0	0	0	0	—	—	—
South Carolina	59	29	799	801	0.31	0.15	0.07
South Dakota	0	NA	0	NA	—	NA	—
Tennessee	263	168	1,938	1,963	0.28	0.15	0.65
Texas	429	5,141	NA	NA	0.32	1.69	NA
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	404	401	646	861	0.21	0.33	0.74
Washington	0	0	0	0	—	—	—
West Virginia	332	396	781	936	0.56	0.41	1.59
Wisconsin	638	1,381	793	1,716	0.38	0.60	0.35
Wyoming	27	NA	63	NA	0.18	NA	3.19
Total	**5,406**	**20,157**	**17,430**	**27,191**	**0.12**	**0.24**	**0.74**

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

Special Focuses

Appendix D

Special Reports

Natural Gas Winter Outlook 2000-2001 ..... **October 2000**

U.S. Natural Gas Imports and Exports - 1999 ..... **August 2000**

Natural Gas 1999: A Preliminary Summary ..... **May 2000**

*Next Generation * Natural Gas $(NG)^2$ Information Requirements — Executive Summary* ..... **February 2000**

Increasing Importance of Natural Gas Imports on the U.S. Marketplace ..... **February 2000**

Natural Gas Winter Outlook 1999-2000 ..... **October 1999**

U.S. Natural Gas Imports and Exports - 1998 ..... **August 1999**

Retail Unbundling ..... **July 1999**

Natural Gas 1998: A Preliminary Summary ..... **April 1999**

U.S. Natural Gas Imports and Exports - 1997 ..... **August 1998**

Revisions to Monthly Natural Gas Data ..... **July 1998**

Natural Gas 1997: A Preliminary Summary ..... **April 1998**

Comparison of Natural Gas Storage Estimates from the EIA and AGA ..... **October 1997**

U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed ..... **September 1997**

U.S. Natural Gas Imports and Exports - 1996 ..... **August 1997**

Revisions to Monthly Natural Gas Data ..... **July 1997**

Natural Gas 1996: Highlights ..... **April 1997**

Natural Gas Pipeline and System Expansions ..... **April 1997**

Natural Gas Analysis and Geographic Information Systems ..... **March 1997**

Appendix E

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: Annual:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margaret Natof (202)586-6303
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margaret Natof (202)586-6303
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Ann Ducca (202)586-6137
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Ann Ducca (202)586-6137
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly:	Forms FERC-8 and EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	15 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility	20 21 22 23 24	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Onsystem Sales	25	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depleted Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and / or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.